



Prepared for:

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c/o Leggat McCall Properties LLC
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**Amendment 2 to PCB Management Plan
Former Worcester Common Outlet Mall
Worcester, Massachusetts**

PN: 39743438
April 12, 2011

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1.0 INTRODUCTION

On behalf of CitySquare II Development Co LLC (CitySquare), URS Corporation (URS) has prepared this amendment (Amendment 2) to the approved plan for cleanup of polychlorinated biphenyls (PCBs) under the Toxic Substances Control Act (TSCA) at the former Worcester Common Outlet Mall garage in Worcester, Massachusetts (the Site). This amendment has been prepared in accordance with condition 16 of the EPA Approval, the TSCA requirements outlined in 40 CFR 761.61(a) and 40 CFR 761.79(h) and meetings and correspondence between URS and the U.S. Environmental Protection Agency (EPA) Region 1 TSCA Coordinator. The PCB cleanup is being implemented in conjunction with the planned demolition and redevelopment work at the site. The purpose of the amendment is to modify (reduce) the scope of PCB caulk remediation at the site. Analytical data obtained in February and March 2011 confirms that the levels of PCBs in the translational crack fill material are below 6.8 ppm and do not require abatement.

On July 16, 2010 CitySquare submitted a PCB cleanup and disposal plan to abate PCB impacted paint on the striping within the garage. EPA Approval for that plan was provided on August 2, 2010. Subsequently, during the planning stages of the Site redevelopment, URS undertook sampling and analysis of caulk found predominantly in expansion joints along the floor of the garage building, and to some extent in the walls. Results of this sampling and analysis indicated that PCBs were present in some of the caulk at levels above the allowable concentrations as regulated by TSCA. A cleanup and disposal work plan amendment (hereafter referred to as Amendment 1) to include caulk abatement was submitted to EPA on October 22, 2010. Amendment 1 provided updated site characterization, notification and certification required pursuant to TSCA 40 CFR 761(a) and included the anticipated scope, approach and schedule for abating the caulk containing PCBs. EPA Approval for Amendment 1 was provided on December 3, 2010. This amendment (Amendment 2) proposes to modify the scope of caulk removal by reducing the linear feet of floor cracks that need to be addressed. All other components of the EPA approved work plan (e.g. method of removal and disposal, contractor work plan, laboratory certification) remain unchanged.

Subsequent to EPA's approval of Amendment 1, CitySquare endeavored to determine whether any of the different types of caulking material (wide expansion joint caulk, saw cut joint caulk, and translation crack fill) could be determined through laboratory analysis to contain PCBs at less than TSCA concentrations. The results of these analyses indicated that while the expansion and saw cut joint caulks did in some location contain PCBs at levels > 50 ppm, the translational crack filler was a different type of material altogether and did not contain PCBs at those levels. This Amendment 2 provides supporting information as required by 40 CFR 761(a)(3) for a modification to eliminate the translational crack fill material from the scope of the caulk cleanup. Such supporting information includes characterization analyses, sample locations, and the potential locations where the garage demolition material will be deposited on-site, pursuant to the Beneficial Use Determination by the Massachusetts Department of Environmental Protection's (MassDEP).

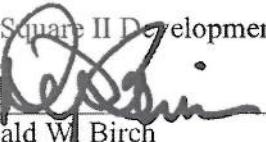
1.1 Contact and Certification

The CitySquare representative providing this notification and certification who will be responsible for this project is Donald W. Birch, Authorized Signatory for CitySquare II Development Co. LLC. His contact information is provided below:

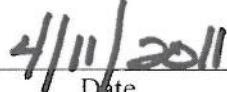
Donald W. Birch
Leggat McCall Properties LLC
10 Post Office Square
Boston, Massachusetts 02109
617-422-7007

I certify that I am the person in charge of the PCB cleanup, representing the owner of the property where the PCB remediation waste is located. I certify that all sampling plans, sample collection procedures, sample preparation procedures, extraction procedures, and instrumental/chemical analysis procedures used to assess or characterize the PCB contamination at the cleanup site are on file at the location designated above and are available for EPA inspection.

CitySquare II Development Co LLC



Donald W. Birch
Authorized Signatory



Date

1.2 Site Characterization

This section presents the results of additional assessment work completed since EPA Approval of Amendment 1 on December 3, 2011. Thirty-eight additional caulk samples were collected on February 17-18, 2011, two samples were collected on March 3, 2011 and nine additional samples of crack fill were collected on March 15, 2011. All samples were analyzed for PCBs, with the exception of one (WCP-009A), which was submitted for toxicity characteristic leaching procedure (TCLP) PCBs.

1.3 Sampling and Analysis

Caulk Sampling

At the request of the redevelopment project team, on February 17-18, 2011, URS sampled caulk from thirty-eight locations throughout the garage. Caulk from garage Level 6 was not sampled, as the caulk samples previously collected on this level were all below 50 ppm PCBs. The samples were collected from the different types of caulk in the garage building, including wide expansion joints, thin expansion joints (also called saw cut joints), and translational cracks. The purpose of collecting these samples was twofold: (1) to evaluate whether any of the caulk types could be eliminated as TSCA material; and (2) to determine the extent of existing TSCA-regulated caulk by collecting caulk samples in close proximity to those that contained PCBs above 10 ppm in the August 2010 sampling event. **Table 1** includes the sample IDs, sample details/descriptions, sample locations, and PCB concentrations for the samples collected in February 2011 as well as other caulk samples collected previously from the garage. The caulk sample locations are identified on Sheets 1 through 5, attached.

The caulk samples were collected by mechanical means, with sections of caulk removed and samples obtained from below the immediately exposed surface. Sampling equipment was decontaminated between each sample location to prevent cross-contamination. The samples were submitted to Alpha Analytical in Westborough, Massachusetts for extraction and PCB analysis on a bulk basis (mg/Kg or ppm) and in accordance with TSCA analytical requirements. Chemical extraction was completed using EPA Method 3540C and chemical analysis of PCBs (Aroclors) was conducted using EPA Method 8082. Chain-of-custody procedures were maintained throughout this process to ensure sample integrity.

The laboratory analysis identified concentrations in the caulk that ranged from below laboratory method detection limits to 260 ppm. Two additional samples were collected on March 3, 2011. The results of all of these sample analyses are included in **Table 1**.

Based on the PCB results for the caulking, URS contacted USEPA on March 14, 2011 to discuss CitySquare's proposal to abate the wide expansion joints and saw cut joints, but not the translational crack fill material. USEPA requested that additional samples of the translational crack fill be collected from the section of the garage that will not be demolished (B section/center section). One March 15, 2011, nine samples were collected

(including one duplicate sample) of the translational caulk fill within Section B of the garage. In addition, one sample (identified as WCP-009A) was collected from location WCP-009.

The caulk samples were submitted to Alpha Analytical in Westborough, Massachusetts for extraction and PCB analysis on a bulk basis (mg/Kg or ppm) and in accordance with TSCA analytical requirements. Chemical extraction was completed using EPA Method 3540C and chemical analysis of PCBs (Aroclors) was conducted using EPA Method 8082. In addition, sample WCP-009A was submitted for TCLP PCB analysis for inclusion in a revised BUD Application submittal to MassDEP. Chain-of-custody procedures were maintained throughout this process to ensure sample integrity.

The laboratory analysis identified concentrations in the caulk that ranged from below laboratory method detection limits to 6.8 ppm. The results of sample analysis are included in **Table 1**.

Refer to **Figures 1 through 5** for caulk sample locations.

1.4 Estimate of Linear Feet of Caulk

In March 2011, URS observed the garage for the purpose of estimating the linear footage of different types of caulk (wide expansion joints, saw cut joints, translational cracks, column bases, etc.). The following table provides an estimate of the different types of caulk.

Type of Caulk: Garage Level	Linear Feet of Wide Expansion Joints and Saw Cut Joints	Linear Feet of Caulk around Columns
Level 1	4,524	80
Level 2	4,524	230
Level 3	4,524	250
Level 4	4,524	150
Level 5	4,524	70
Subtotals:	22,620	780

1.6 Nature and Extent of PCB Impacts

The caulk material in the translational floor cracks has been found to contain PCBs at much lower concentrations than originally anticipated, with a maximum detected concentration of 6.8 ppm. The source of the low levels of PCBs detected in the crack filler is undetermined at this time and could be either a component of the original filler material (PCB excluded product) or present as a result of dust ground into the cracks. In accordance with Amendment 1, CitySquare originally estimated that up to approximately 90,000 linear feet of caulk may be present in the garage. The PCB cleanup and disposal plan for the wide expansion joint and saw cut joint caulk and the caulk around the base of some of the columns within the planned demolition area and the section of the garage that

is not going to be demolished will remain unchanged. As shown in the above table, approximately 22,620 linear feet of wide expansion joint and saw cut joint and 780 linear feet of caulk around the base of some garage columns will be remediated.

2.0 CLEANUP PLAN

The primary components of the cleanup plan for the wide expansion joint and saw cut joint caulk and the caulk around the base of selected columns remain as originally proposed and are described in the following sections.

- Remove caulking in wide expansion joints and saw cut joints found on garage floor and walls.
- Provide visual inspection of caulk removal down to concrete
- Collect removed caulk as it is generated in a secure and properly-labeled container
- Transport and dispose collected materials off site as PCB bulk-product waste for caulk or PCB remediation waste for any concrete that does not pass post removal clearance sampling in accordance with 40 CFR 761(a)
- Implement a modified version of TSCA Subpart O confirmatory sampling requirements.
- Repeat removal, visual inspection and confirmatory sampling as needed when initial confirmation does not meet performance standards.

For the Site PCB wide expansion joint, saw cut joint, and selected column caulk remediation, the performance standard that will be applied is removal to ≤ 1 mg/Kg (1 ppm) total PCBs as provided in condition 13 of the EPA Approval.

The PCB wide expansion joint, saw cut joint, and selected column caulk cleanup will be performed by the PCB abatement subcontractor NASDI, LLC of Waltham, Massachusetts, in accordance with the NASDI Supplemental Work Plan submitted to EPA on January 25, 2011.

2.1 Site Preparation

Site preparation and controls will be the same as those being used for the PCB paint removal. The site specific health and safety plan prepared by NASDI will apply to the caulk removal work. Access to the work areas will be controlled through fencing, containment and/or barriers. Active caulk removal areas will be contained using polyethylene sheeting or equivalent to control any blowing dust or debris generated from the cleanup activities.

Wet wiping or misting shall be used to suppress dust where necessary. A combination of engineering controls (polyethylene containment), dust suppression, and PPE will be employed as part of the active removal. The air monitoring program in place for the paint abatement work will be extended to cover the caulk removal. No ambient air monitoring outside of the work zone containment is proposed.

2.2 Caulk Removal and Disposal – Expansion Joint and Saw Cut Joint and Caulk From the Base of Some Columns

The selected contractor will remove the caulk and any foam backer rod than may have been in contact with the caulk. Caulk in excess of the 1 ppm performance standard will be removed from the garage floor column joints by physical means, stored and disposed off site at the EQ/Wayne, Michigan Disposal Facility, the disposal location previously selected for the paint removal PCB remediation waste or at Waste Management/Model City, New York Disposal Facility, the proposed alternate location selected by NASDI in their work plan. The PCB impacted caulk will be considered PCB bulk product waste. The caulk will be remediated by saw cutting the joints. Alternative removal methods with hand tools will be implemented in location where saw cutting is not feasible provided sufficient caulk removal and the minimization of dust can be demonstrated.

Cleaning of the active area shall be performed in a timely manner to remove caulk, dry and wet debris. Captured caulk and debris shall be immediately placed in suitable waste receptacles placarded on all sides as containing PCB waste per 40 CFR 761.40 and stored in a manner consistent with 40 CFR 761.65. PCB waste containers will be placed in a secure location and containers will be maintained, secured and covered except during loading of waste in accordance with federal regulation. No intermediate stockpiling or other unsecure storage of remediation waste will be allowed.

Disposal of all waste will be in accordance with applicable state and federal regulations and 40 CFR 761.61. Waste will be shipped by a licensed transporter and sent to facilities licensed to receive and dispose PCB bulk product waste in accordance with EPA regulations. The PCB contaminated caulk waste will be shipped under a hazardous waste manifest. Other solid waste, such as PPE and containment materials, will be shipped under a non-hazardous waste manifest. Copies of all waste shipment records will be retained, included in the final report for the cleanup and available to EPA. The identification and documentation to verify acceptability of EQ as the waste receiving facility has already been provided by NASDI.

2.3 Post-Removal Clearance

To confirm that the PCB impacted caulk has been adequately removed from wide expansion joints, saw cut joints, and selected columns, a system of visual inspection, documentation and confirmatory sampling will be utilized, in accordance with the December 3, 2011 EPA Approved Work Plan.

Sampling will be done in general accordance with the EPA Region 1 “*Draft Standard Operating Procedure for Sampling Concrete in the Field*” dated December 1997. Sampling equipment will be decontaminated in accordance with TSCA requirements.

Results of the visual inspection and verification sampling are expected to demonstrate that the concrete adjacent to the abated caulk has met the 1 ppm performance standard. In the event that the analytical results uncover an exceedance of the performance

standard, the contractor will be required to do additional abatement in the affected area, and the area will be re-sampled.

The data quality objective is to achieve sufficient quality to support the conclusion that the cleanup performance standards have been met. The TSCA required analytical process will be followed, and as with the prior sampling, chemical extraction will be completed using EPA Method 3540C and chemical analysis of PCBs (Aroclors) will be conducted using EPA Method 8082. The existing Quality Assurance Plan developed for the original URS PCB Management Plan will be utilized to verify the necessary levels of precisions, accuracy, representativeness and completeness of the data generated during the cleanup.

2.4 Modification of the Existing Cleanup Plan

Based on the additional sampling and observation of the translational crack fill material, CitySquare proposes to modify the cleanup and disposal plan by leaving the translation crack fill material, where present, in place. The crack fill material in the two sections of the garage that will be demolished, the north section (Section A in the EPA Approval) and the south section (Section C) will not be removed.

In an effort to minimize waste generation, conserve landfill space and reduce truck traffic associated with project construction and the transportation of waste material off site for disposal, CitySquare plans to re-use the concrete from the demolition process as backfill material within the project area pursuant to a BUD permit from MassDEP. The concrete in Section A and Section C, associated paint that has been applied to the garage walls since construction and remaining crack fill materials will be crushed together and processed for reuse as structural fill. The concrete will be derived solely from demolition of Sections A and C of the existing garage, and will include concrete walls, floors, columns, stairwells, and driving surfaces along with residual paint and crack fill. The downsized concrete material will be processed down to a material range of between 12 to 3-inch minus, then stockpiled on-site for reuse. Approximately 50,000 cubic yards of concrete is anticipated to be generated by demolition and processing of concrete debris associated with the garage.

The concrete material will be used as deep fill, and sub-base material for roads, sidewalks and hard-surface plaza areas, replacing imported fill that would otherwise be used to grade the site. Refer to **Figure 6** for proposed reuse area(s). The Beneficial Use Determination (BUD) for the CitySquare crushed concrete is currently pending with MassDEP.

As part of the BUD application process, the physical and chemical properties of the secondary material must be sufficiently characterized and the resulting produce must not pose a risk. A mass balance was completed for the volume of material to be demolished from the two sections of parking garage proposed for on-site reuse, using the data generated through the sampling and analytical activities, including sampling and analysis

of the crack filler material. The mass balance concentrations were derived by calculating the weight of concrete rubble to be generated, paint coating the concrete surfaces and translational crack filler. For calculation purposes, the paint thickness was conservatively estimated to be one-sixteenth inch (0.0625 inch) thick and the translational crack filler was estimated to have a width and depth of one-quarter inch (0.25-inch) wide. For samples reported as non-detect, one half the detection limit was used to calculate the averages. The PCB chemical characteristics of the final product based on the mass balanced average concentrations indicate a level of 0.0006 ppm of PCBs, well below the BUD proposed standard of 0.044, the Massachusetts Contingency Plan risk based Method 1 standard of 2, and the TSCA cleanup level of 1.

The reused concrete will be placed below a layer of three feet of clean soil with a geotextile marker layer or below pavement. Under these final site conditions, there are no known exposure pathways to the reused material. The location of proposed reuse of this material is below new roadways that are being constructed as part of the redevelopment. As required by MassDEP for approval of a Category 3 BUD, the material will be capped with three feet of clean fill and a marker layer or will be below pavement. A deed notice will be placed on the property that will include management options for the material if it is removed, modified, or processed to prevent adverse impacts and significant risks to public health, safety, or the environment, as well as referring to the MassDEP BUD application by application transmittal number and file location.

2.5 Crack Filler Material in Section B

The crack filler material in Section B, the center section of the garage, will remain in place as that section is not slated for demolition. The center section of the garage will be refurbished and continue functioning as a parking garage. It will remain as it is now, a low-occupancy area with minimal potential for exposure. CitySquare will continue to investigate and assess potential approaches to the crack filler material in Section B, including staying with the existing approved plan to mechanically remove the material, documenting that the crack fill in Section B can be classified as excluded product, allowing the crack fill to remain in the low-occupancy area with a cleanup standard of 25 ppm, in accordance with TSCA 40 CFR 761(a)(4)(1)(B), or more cost effectively remediating using other methods than mechanical removal. A final decision, and if necessary modification to the existing cleanup and disposal plan for crack fill in Section B, will be submitted to EPA at a later date.

3.0 PROJECT SCHEDULE AND RECORDKEEPING

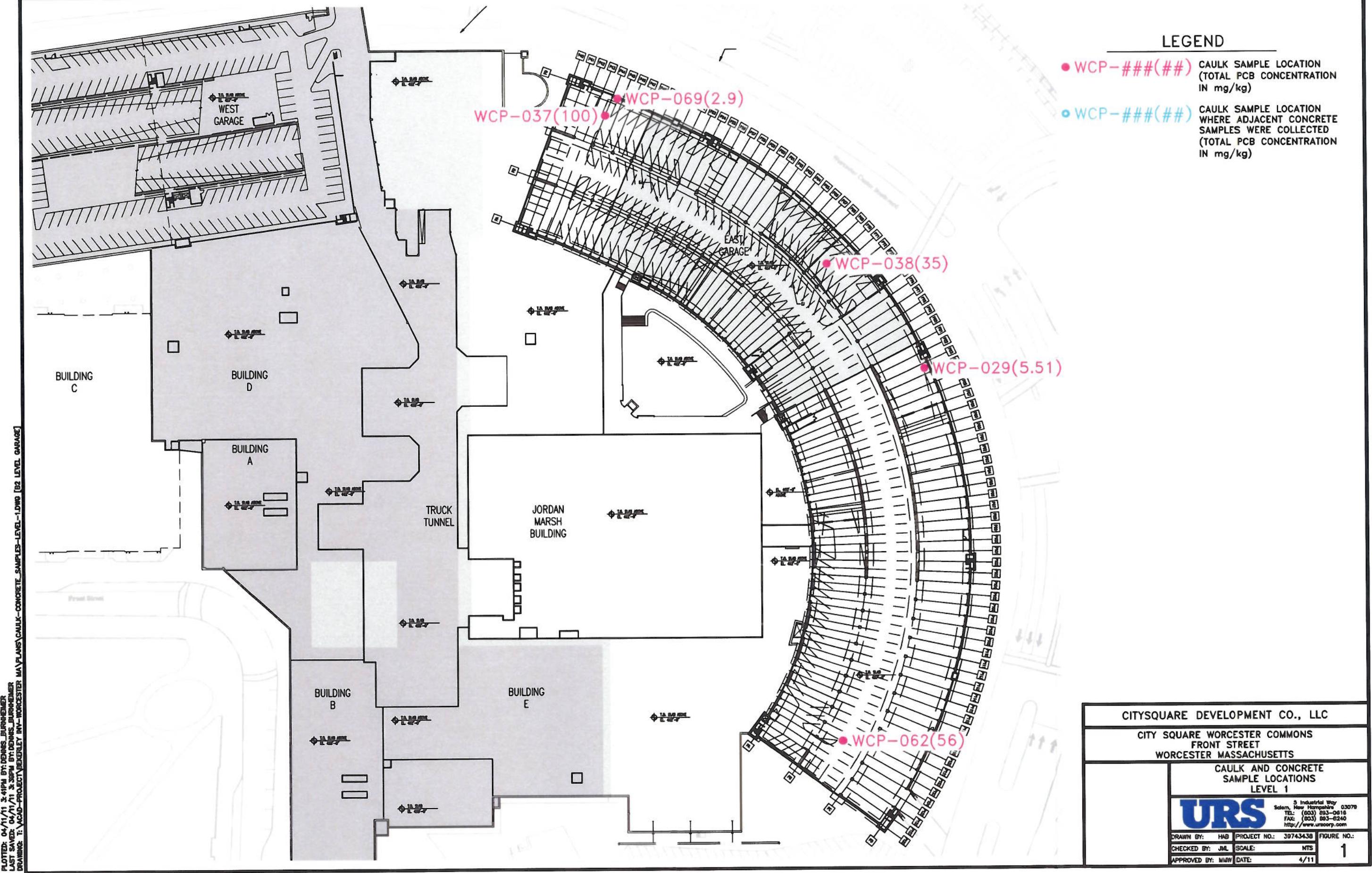
In accordance with TSCA requirements at 40 CFR 761(a), CitySquare plans to begin implementation of the modified plan outlined above as soon as approval is received from the EPA Region 1 TSCA Coordinator in accordance with 40 CFR 761(a)(3)(ii). CitySquare has already initiated expansion joint and crack fill joint caulk removal under the existing plans, and estimates that the work as modified by this Amendment 2 will take approximately 4 to 5 weeks to complete.

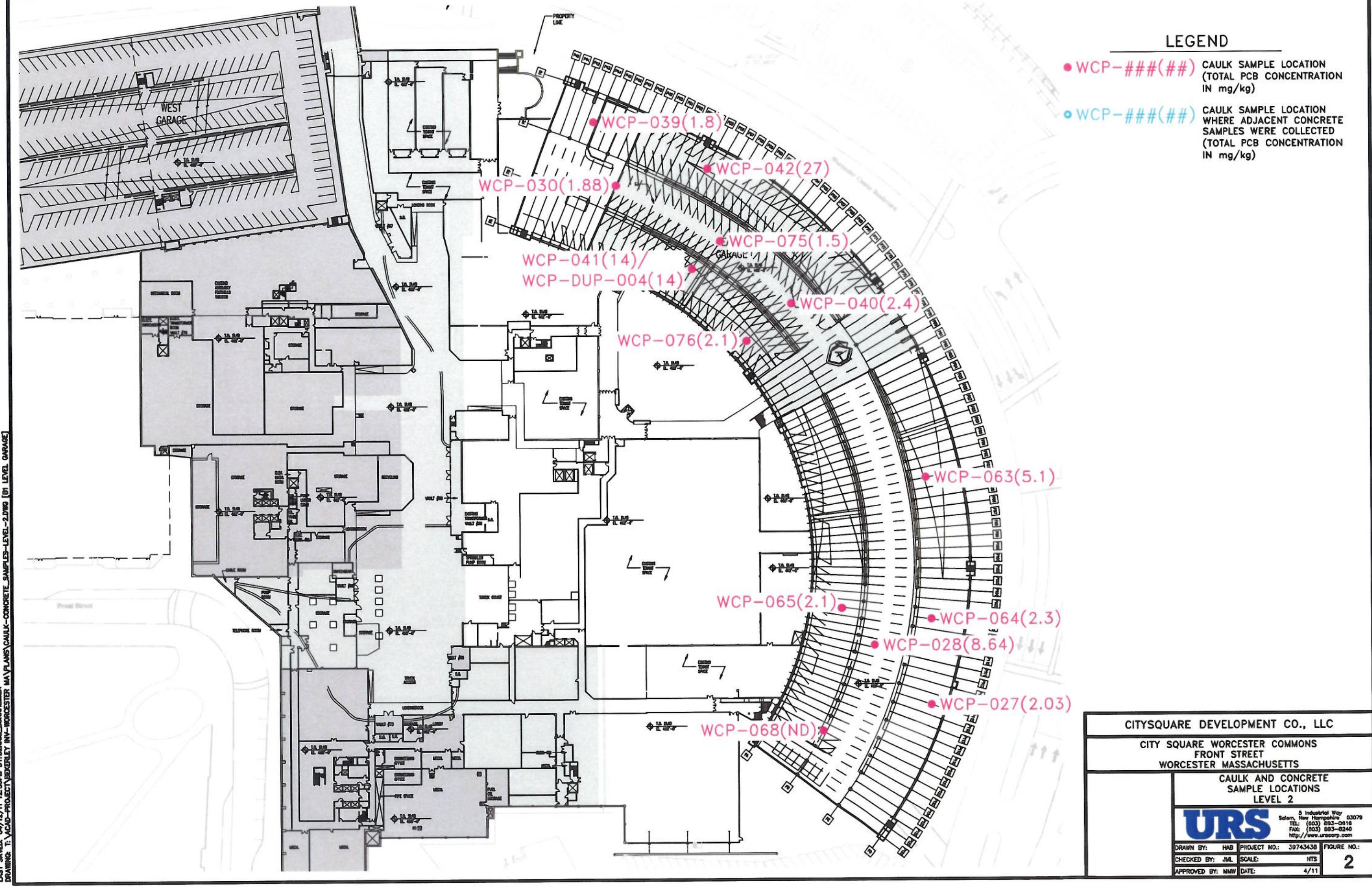
As noted in the original approved cleanup and disposal plan, following completion of the PCB caulk cleanup activities, a final report documenting the completion of both the paint and caulk removal work activities will be prepared and submitted to EPA. At a minimum this final report will include:

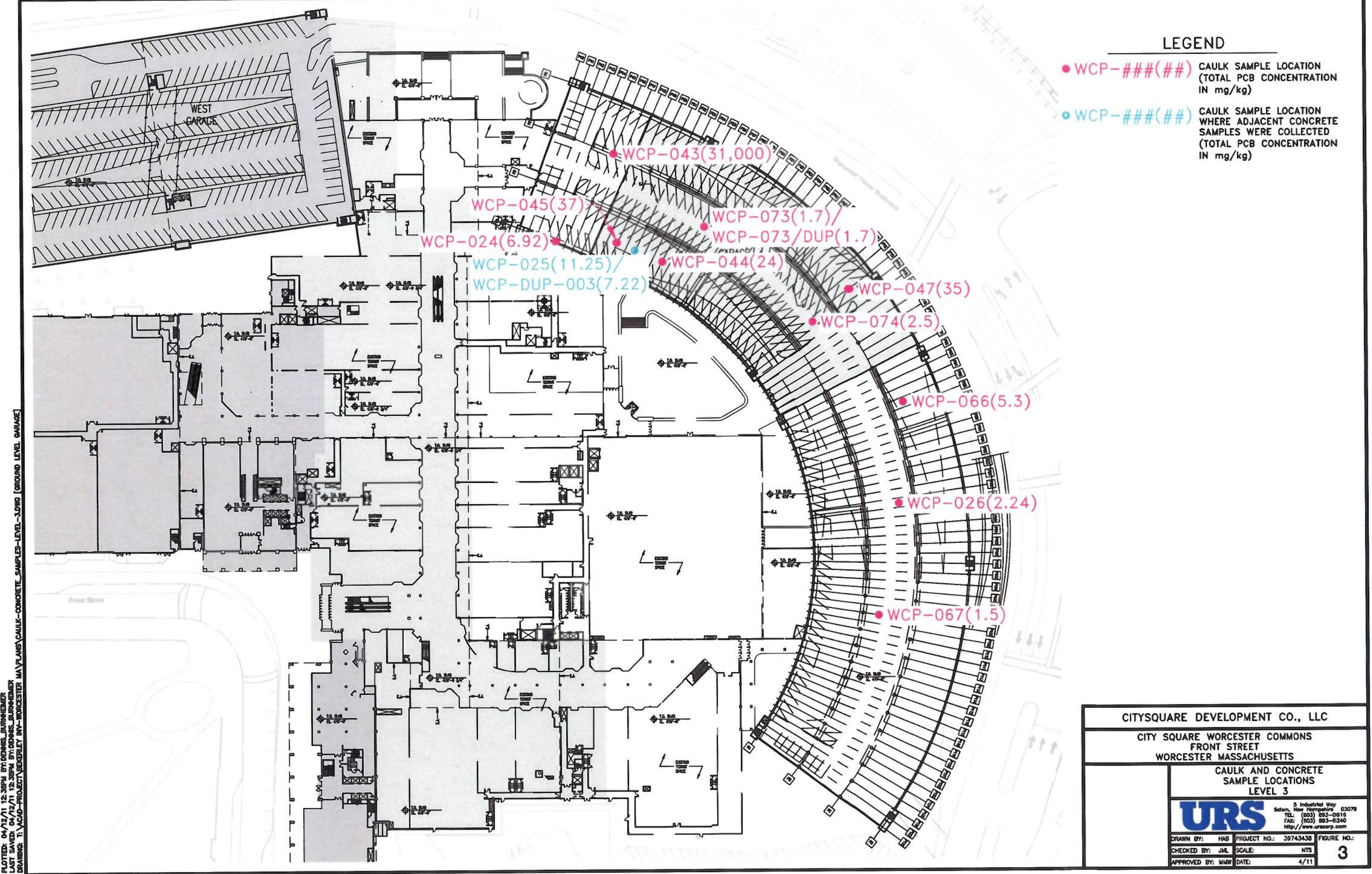
- A narrative description of the work as completed;
- Photo documentation;
- Verification analytical results and lab reports;
- Volumes of disposed materials; and
- Waste disposal documentation.

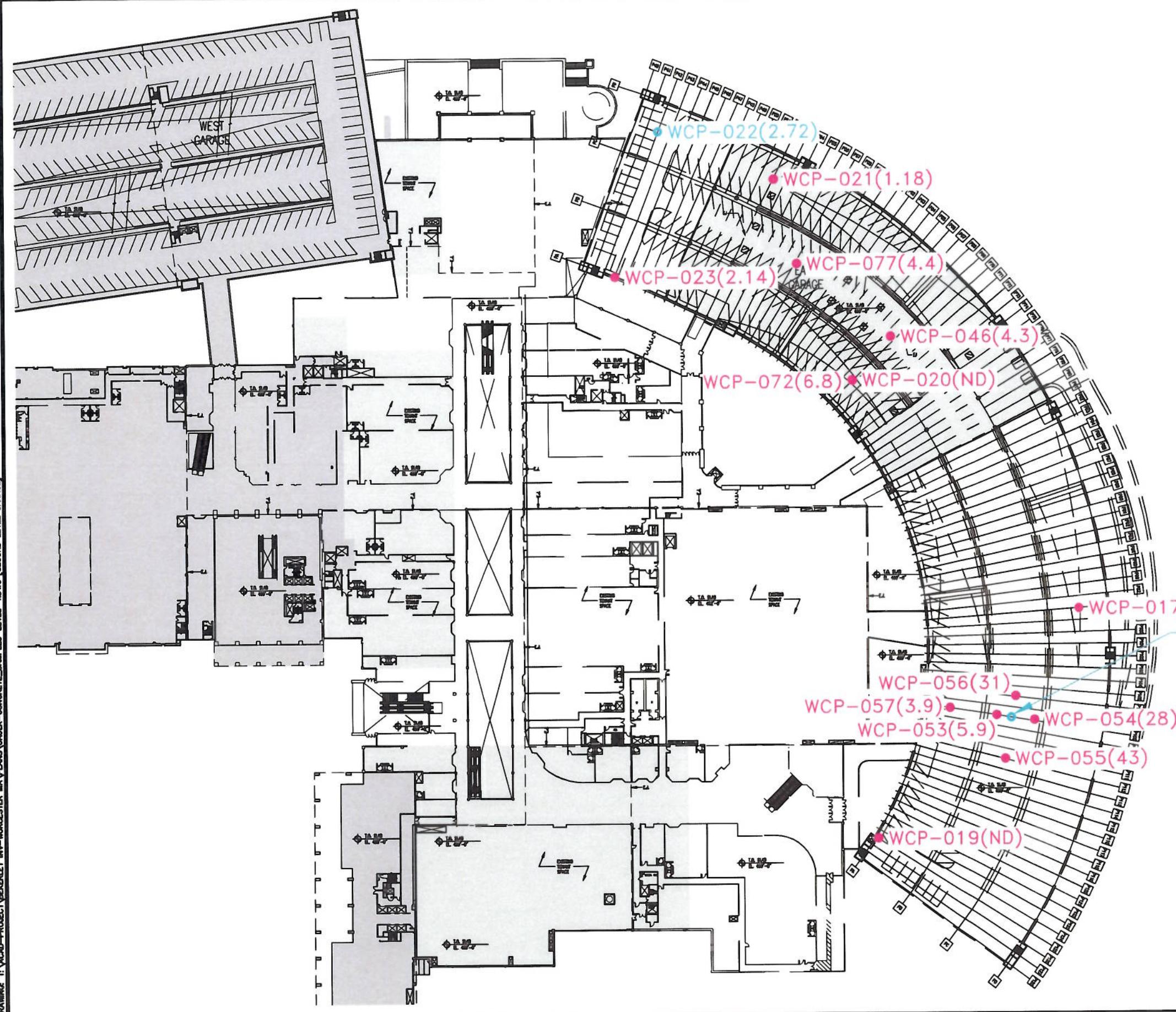
Record documents required by 40 CFR 761, including the documents referenced in the certification in Section 1 above, and documents generated during implementation of this work plan will be maintained in one central location and made available for inspection to authorized representatives of EPA.

FIGURES





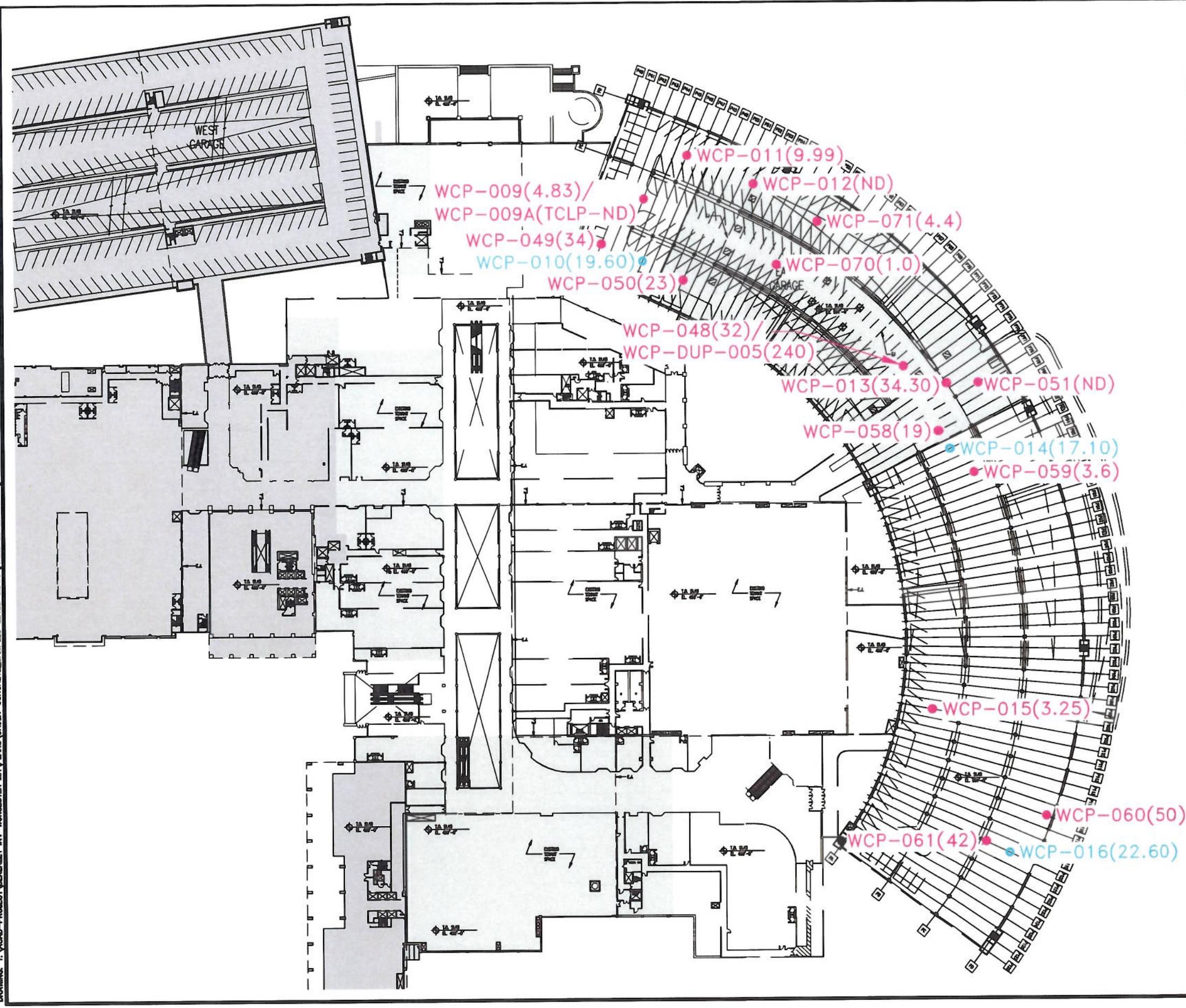




LEGEND

- WCP-##(##) CAULK SAMPLE LOCATION (TOTAL PCB CONCENTRATION IN mg/kg)
- WCP-##(##) CAULK SAMPLE LOCATION WHERE ADJACENT CONCRETE SAMPLES WERE COLLECTED (TOTAL PCB CONCENTRATION IN mg/kg)

CITYSQUARE DEVELOPMENT CO., LLC			
CITY SQUARE WORCESTER COMMONS FRONT STREET WORCESTER MASSACHUSETTS			
CAULK AND CONCRETE SAMPLE LOCATIONS LEVEL 4			
URS 5 Industrial Way Salem, New Hampshire 03079 TEL: (603) 893-0810 FAX: (603) 893-8240 http://www.urscorp.com			
DRAWN BY: HAB	PROJECT NO.: 39743438	FIGURE NO.:	
CHECKED BY: JML	SCALE: NTS		
APPROVED BY: MMW	DATE: 4/11		



LEGEND

- WCP-###(##) CAULK SAMPLE LOCATION (TOTAL PCB CONCENTRATION IN mg/kg)
- WCP-###(##) CAULK SAMPLE LOCATION WHERE ADJACENT CONCRETE SAMPLES WERE COLLECTED (TOTAL PCB CONCENTRATION IN mg/kg)

CITYSQUARE DEVELOPMENT CO., LLC

CITY SQUARE WORCESTER COMMONS
FRONT STREET
WORCESTER MASSACHUSETTS

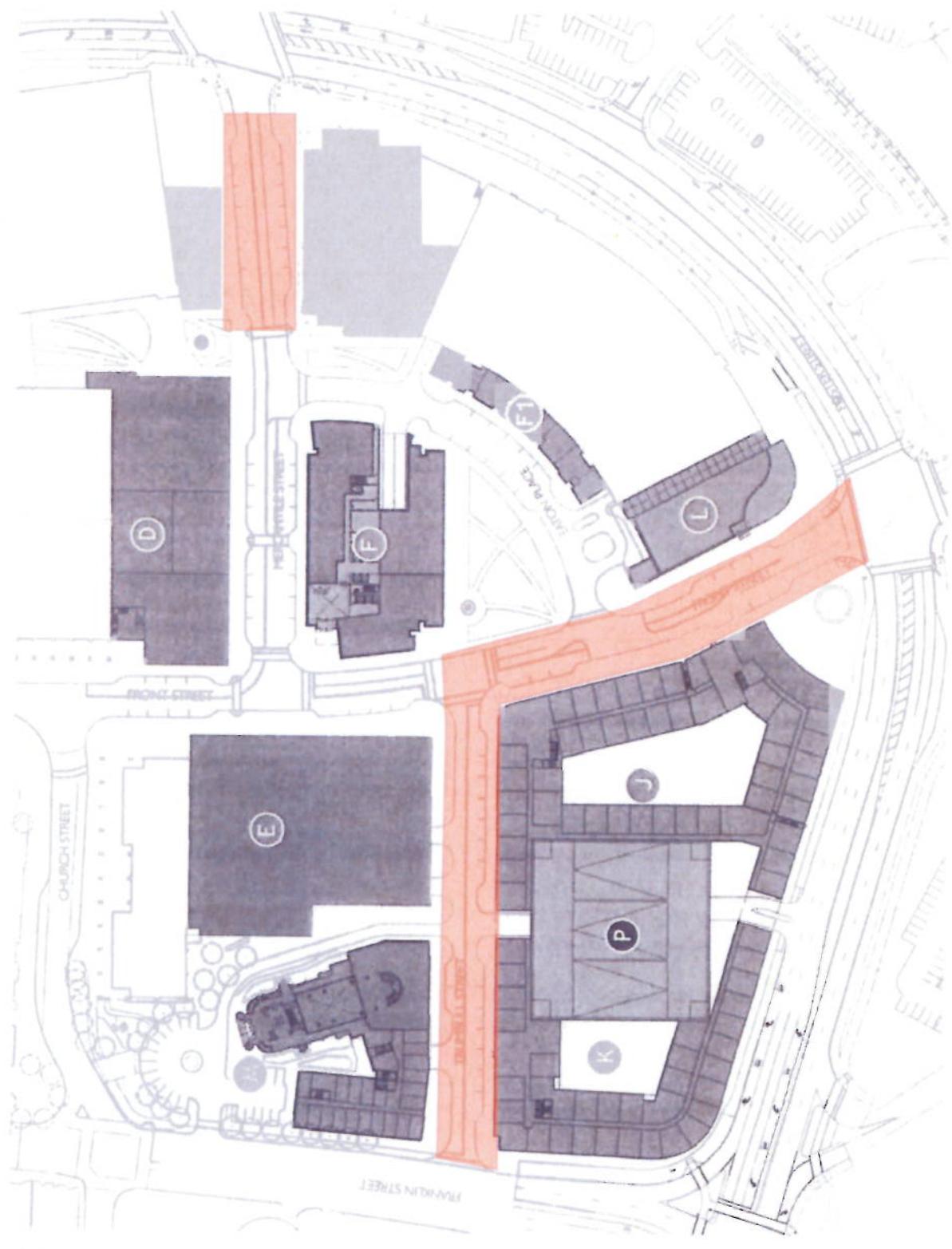
CAULK AND CONCRETE
SAMPLE LOCATIONS
LEVEL 5

URS

5 Industrial Way
Salem, New Hampshire 03079
TEL: (603) 863-0610
FAX: (603) 863-0240
<http://www.urscorp.com>

DRAWN BY: HAB PROJECT NO.: 39743438 FIGURE NO.:
CHECKED BY: JML SCALE: NTS
APPROVED BY: MMW DATE: 4/11

Figure 6
Proposed Locations for Material Reuse



Proposed Locations for Material Reuse

TABLES

Table 1
Garage Joint Caulk and Adjacent Concrete Sample Results (mg/kg)
Former Worcester Commons Mall
City Square, Worcester, Massachusetts

LOCATION ID	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1268	Total PCBs	Floor	Area	Additional Details
WCP-037	ND	100	ND	ND	ND	100	1	A	Expansion joint (thin), street side of garage
WCP-038	ND	35	ND	ND	ND	35	1	B	Expansion joint (thin), bottom of ramp up to floor 2 on street side of garage
WCP-062	ND	56	ND	ND	ND	56	1	C	Expansion joint (thin), center aisle of garage, Section B
WCP-069	ND	2.9	ND	ND	ND	2.9	1	A	Floor/wall joint on street side of garage
WCP-039	ND	1.8	ND	ND	ND	1.8	2	A	Crack fill, north side of garage "office", street side of garage
WCP-030	1.88	ND	ND	ND	ND	1.88	2	A/B	Section E
WCP-040	ND	2.4	ND	ND	ND	2.4	2	B	Crack fill, Center aisle of garage, Section E
WCP-041	ND	14	ND	ND	ND	14	2	B	Expansion joint (wide), ramp from level 1 up to level 2, Section A
WCP-DUP-04	ND	14	ND	ND	ND	14	2	B	Duplicate of WCP-041
WCP-042	ND	27	ND	ND	ND	27	2	B	Expansion joint (thin), Section F, on ramp from level 2 up to level 3, street side of garage
WCP-027	ND	2.03	ND	ND	ND	2.03	2	C	Crack fill
WCP-028	ND	5.66	2.98	ND	ND	8.64	2	C	floor
WCP-063	ND	5.1	ND	ND	ND	5.1	2	C	Crack fill, ramp from level 1 to level 2 on street side of garage, Section F
WCP-064	ND	2.3	ND	ND	ND	2.3	2	C	Expansion joint (wide), "wedge" shaped, near top of ramp to from level 1 to level 2, street side of garage
WCP-065	ND	2.1	ND	ND	ND	2.1	2	C	Expansion joint (wide), flat rubber-like caulk, same expansion joint as WCP-064, but in aisle on mall side of garage, Section D
WCP-075	ND	1.5	ND	ND	ND	1.5	2	B	Crack fill, center aisle of garage
WCP-076	ND	2.1	ND	ND	ND	2.1	2	B	Crack fill, mall side of garage
WCP-068	ND	ND	ND	ND	ND	ND	2	C	Crack fill between columns
WCP-025	ND	8.64	2.61	ND	ND	11.25	3	B	Section G, Expansion joint (thin)
DUP-003	ND	7.22	ND	ND	ND	7.22	3	B	Duplicate of WCP-025
WCP-025-001	ND	ND	ND	ND	ND	ND	3	B	Concrete adjacent to caulk sample
WCP-043	ND	ND	ND	ND	31000	31000	3	A	White caulk around base of column, under duct tape, Section A
WCP-044	ND	24	ND	ND	ND	24	3	B	Expansion joint (thin); ramp up from level 3 to level 4, mall side of garage, Section G
WCP-045	ND	37	ND	ND	ND	37	3	B	Expansion joint (thin), Ramp from level 3 to level 4, mall side of garage, Section G
WCP-047	ND	35	ND	ND	ND	35	3	B	Expansion joint (thin), bottom of ramp from level 3 to level 4, street side of garage, Section I
WCP-026	ND	2.24	ND	ND	ND	2.24	3	C	Expansion joint
WCP-066	ND	5.3	ND	ND	ND	5.3	3	C	Crack fill, street side of garage
WCP-067	ND	1.5	ND	ND	ND	1.5	3	C	Crack fill, center aisle of garage, Section H
WCP-073	ND	ND	1.7	ND	ND	1.7	3	B	Crack fill, center aisle of garage
WCP-073/DUP	ND	ND	1.7	ND	ND	1.7	3	B	Duplicate of WCP-073
WCP-074	ND	ND	2.5	ND	ND	2.5	3	B	Crack fill, Center Aisle of garage

Table 1
Garage Joint Caulk and Adjacent Concrete Sample Results (mg/kg)
Former Worcester Commons Mall
City Square, Worcester, Massachusetts

LOCATION ID	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1268	Total PCBs	Floor	Area	Additional Details
WCP-022	ND	2.05	0.67	ND	ND	2.72	4	A	P42 C-D, Expansion joint (thin)
WCP-022-001	ND	ND	ND	ND	ND	ND	4	A	concrete adjacent to caulk sample
WCP-020	ND	ND	ND	ND	ND	ND	4	B	P69 A-B
WCP-021	ND	1.18	ND	ND	ND	1.18	4	B	P52 C-B, Expansion joint (thin)
WCP-046	ND	4.3	ND	ND	ND	4.3	4	B	Crack fill, Center aisle of garage, Section K
WCP-017	ND	1.88	1.09	ND	ND	2.97	4	C	P98, C-D, floor
WCP-018	ND	66.00	ND	ND	ND	66.00	4	C	P108, B-C, floor, Expansion joint (wide)
DUP-002	12.7	ND	ND	ND	ND	12.70	4	C	Duplicate of WCP-018
WCP-018-001	ND	ND	ND	ND	ND	ND	4	C	concrete adjacent to caulk sample
WCP-019	ND	ND	ND	ND	ND	ND	4	C	P125, A, near elevator
WCP-052	ND	260	ND	ND	ND	260	4	C	Expansion joint (wide), Confirmatory sample of location (same location) as WCP-018
WCP-DUP-06	ND	110	ND	ND	ND	110	4	C	Duplicate of WCP-052
WCP-053	ND	5.9	ND	ND	ND	5.9	4	C	Expansion joint (wide), approximately 1.5 feet from WCP-052, closer toward the mall side of garage
WCP-054	ND	ND	28	ND	ND	28	4	C	Expansion joint (wide), approximately 25 feet from WCP-052, closer toward the street side of the garage
WCP-055	ND	43	ND	ND	ND	43	4	C	Expansion joint (thin), 40 feet "south" of WCP-052, at the next expansion joint
WCP-056	ND	31	ND	ND	ND	31	4	C	Expansion joint (thin), 19 feet north of WCP-052, at the next expansion joint
WCP-057	ND	3.9	ND	ND	ND	3.9	4	C	Expansion joint (wide), same expansion joint as WCP-052, in aisle closest to the mall
WCP-072	ND	ND	6.8	ND	ND	6.8	4	B	Crack fill, mall side of garage
WCP-077	ND	4.4	ND	ND	ND	4.4	4	B	Crack fill, center aisle of garage
WCP-009	ND	2.35	2.48	ND	ND	4.83	5	A	P44, floor, Crack fill
WCP-009A	NT	NT	NT	NT	NT	NT	5	A	TCLP Total PCBs: <1.0 ug/L
WCP-010	ND	19.60	ND	ND	ND	19.60	5	A	P46, floor, Expansion joint (thin)
WCP-010-001	ND	ND	ND	ND	ND	ND	5	A	concrete adjacent to caulk sample
WCP-011	ND	5.92	4.07	ND	ND	9.99	5	A	P46, C-D, floor
WCP-049	ND	34	ND	ND	ND	34	5	A	Expansion joint (thin), Section M, mall side of garage
WCP-012	ND	ND	ND	ND	ND	ND	5	B	P52, floor
WCP-013	ND	18.80	15.50	ND	ND	34.30	5	B	P75-P78, Expansion joint, parallel to length of garage
WCP-048	ND	32	ND	ND	ND	32	5	B	Expansion joint (thin), Center aisle
WCP-DUP-05	ND	240	ND	ND	ND	240	5	B	Duplicate of WCP-048
WCP-050	ND	23	ND	ND	ND	23	5	B	Expansion joint (thin), Section M, mall side of garage
WCP-051	ND	ND	ND	ND	ND	ND	5	B	Expansion joint (thin), Section , street side of garage
WCP-058	ND	ND	19	ND	ND	19	5	B	Expansion joint (thin), collected 37 feet "north" of WCP-014, Section N, street side of garage

Table 1
Garage Joint Caulk and Adjacent Concrete Sample Results (mg/kg)
Former Worcester Commons Mall
City Square, Worcester, Massachusetts

LOCATION ID	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1268	Total PCBs	Floor	Area	Additional Details
WCP-014	ND	17.10	ND	ND	ND	17.10	5	C	P82, loop detection joint
WCP-014-001	ND	ND	ND	ND	ND	ND	5	C	concrete adjacent to caulk sample
WCP-015	ND	3.25	ND	ND	ND	3.25	5	C	P109
WCP-016	ND	22.60	ND	ND	ND	22.60	5	C	P120, C-D, floor, Expansion joint (thin)
WCP-016-001	ND	ND	ND	ND	ND	ND	5	C	concrete adjacent to caulk sample
WCP-059	ND	3.6	ND	ND	ND	3.6	5	C	Crack fill, collected 31 feet "south" of WCP-014, street side of garage
WCP-060	ND	50	ND	ND	ND	50	5	C	Expansion joint (thin), collected 57 feet "north" of WCP-016 in next expansion joint, Section O, street side of garage
WCP-061	ND	42	ND	ND	ND	42	5	C	Expansion joint (thin), collect from same expansion joint, closer to center aisle of garage because there is a lack of expansion joints south with enough caulk present to sample
WCP-070	ND	ND	1.0	ND	ND	1.0	5	B	Crack fill, street side of garage
WCP-071	ND	ND	4.4	ND	ND	4.4	5	B	Crack fill, street side of garage

Notes:

Only detected Aroclors are shown

Samples labeled WCP-001 through WCP-036 and DUP-001 through DUP-003 were collected on **August 6, 2010**

All samples Labeled WCP-###-001 were collected on September 20, 2010 and are analysis for concrete samples collected adjacent to the caulk sample in the row above.

Samples labeled WCP-037 through WCP-067 and WCP-DUP-04 through WCP-DUP-06 were collected on **February 17 and 18, 2011**.

Samples Labeled WCP-068 and WCP-069 were collected on **March 3, 2011**.

Samples labeled WCP-070 through WCP-077, WCP-073/DUP and WCP-009A were collected on **March 15, 2011**.

Results are in mg/kg

BOLD and highlighted results indicate PCB concentration >50 mg/kg

Green highlighted samples represent crack filler, a different material than the caulk in the expansion joints

ND: Below laboratory reporting limits for the sample

NT - not tested

Appendix A

Laboratory Reports



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

February 21, 2011

Ben Grigas
URS - New Hampshire
5 Industrial Way
Salem, NH 03079

Project Location: Worcester Commons Garage

Client Job Number:

Project Number: 39743438

Laboratory Work Order Number: 11B0383

Enclosed are results of analyses for samples received by the laboratory on February 17, 2011. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "James M. Georgantas". The signature is fluid and cursive, with a distinct 'J' at the beginning.

James M. Georgantas
Project Manager



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

URS - New Hampshire
5 Industrial Way
Salem, NH 03079
ATTN: Ben Grigas

REPORT DATE: 2/21/2011

PURCHASE ORDER NUMBER: 242134

PROJECT NUMBER: 39743438

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 11B0383

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Worcester Commons Garage

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WCP-037	11B0383-01	Caulk		SW-846 8082	
WCP-038	11B0383-02	Caulk		SW-846 8082	
WCP-039	11B0383-03	Caulk		SW-846 8082	
WCP-040	11B0383-04	Caulk		SW-846 8082	
WCP-041	11B0383-05	Caulk		SW-846 8082	
WCP-042	11B0383-06	Caulk		SW-846 8082	
WCP-043	11B0383-07	Caulk		SW-846 8082	
WCP-044	11B0383-08	Caulk		SW-846 8082	
WCP-045	11B0383-09	Caulk		SW-846 8082	
WCP-046	11B0383-10	Caulk		SW-846 8082	
WCP-047	11B0383-11	Caulk		SW-846 8082	
WCP-048	11B0383-12	Caulk		SW-846 8082	
WCP-049	11B0383-13	Caulk		SW-846 8082	
WCP-050	11B0383-14	Caulk		SW-846 8082	
WCP-051	11B0383-15	Caulk		SW-846 8082	
WCP-052	11B0383-16	Caulk		SW-846 8082	
WCP-053	11B0383-17	Caulk		SW-846 8082	
WCP-054	11B0383-18	Caulk		SW-846 8082	
WCP-055	11B0383-19	Caulk		SW-846 8082	
WCP-056	11B0383-20	Caulk		SW-846 8082	
WCP-DUP-04	11B0383-21	Caulk		SW-846 8082	
WCP-DUP-05	11B0383-22	Caulk		SW-846 8082	
WCP-DUP-06	11B0383-23	Caulk		SW-846 8082	



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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082

Qualifications:

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl, Decachlorobiphenyl [2C], Tetrachloro-m-xylene, Tetrachloro-m-xylene [2C]

11B0383-01[WCP-037], 11B0383-02[WCP-038], 11B0383-05[WCP-041], 11B0383-06[WCP-042], 11B0383-07[WCP-043], 11B0383-08[WCP-044],
11B0383-09[WCP-045], 11B0383-11[WCP-047], 11B0383-12[WCP-048], 11B0383-13[WCP-049], 11B0383-14[WCP-050], 11B0383-16[WCP-052],
11B0383-18[WCP-054], 11B0383-19[WCP-055], 11B0383-20[WCP-056], 11B0383-21[WCP-DUP-04], 11B0383-22[WCP-DUP-05], 11B0383-23[WCP-DUP-06]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Michael A. Erickson".

Michael A. Erickson
Laboratory Director



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Worcester Commons Garage

Sample Description:

Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-037

Sampled: 2/17/2011 10:00

Sample ID: 11B0383-01

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 13:21	JMB
Aroclor-1221 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 13:21	JMB
Aroclor-1232 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 13:21	JMB
Aroclor-1242 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 13:21	JMB
Aroclor-1248 [2]	100	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 13:21	JMB
Aroclor-1254 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 13:21	JMB
Aroclor-1260 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 13:21	JMB
Aroclor-1262 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 13:21	JMB
Aroclor-1268 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 13:21	JMB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01			2/19/11 13:21	
Decachlorobiphenyl [2]	*		30-150		S-01			2/19/11 13:21	
Tetrachloro-m-xylene [1]	*		30-150		S-01			2/19/11 13:21	
Tetrachloro-m-xylene [2]	*		30-150		S-01			2/19/11 13:21	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Worcester Commons Garage

Sample Description:

Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-038

Sampled: 2/17/2011 10:13

Sample ID: 11B0383-02

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 13:36	JMB
Aroclor-1221 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 13:36	JMB
Aroclor-1232 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 13:36	JMB
Aroclor-1242 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 13:36	JMB
Aroclor-1248 [2]	35	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 13:36	JMB
Aroclor-1254 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 13:36	JMB
Aroclor-1260 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 13:36	JMB
Aroclor-1262 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 13:36	JMB
Aroclor-1268 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 13:36	JMB
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	*	30-150		S-01					2/19/11 13:36
Decachlorobiphenyl [2]	*	30-150		S-01					2/19/11 13:36
Tetrachloro-m-xylene [1]	*	30-150		S-01					2/19/11 13:36
Tetrachloro-m-xylene [2]	*	30-150		S-01					2/19/11 13:36



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Project Location: Worcester Commons Garage

Sample Description:

Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-039

Sampled: 2/17/2011 10:37

Sample ID: 11B0383-03

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.95	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 7:52	JMB
Aroclor-1221 [1]	ND	0.95	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 7:52	JMB
Aroclor-1232 [1]	ND	0.95	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 7:52	JMB
Aroclor-1242 [1]	ND	0.95	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 7:52	JMB
Aroclor-1248 [2]	1.8	0.95	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 7:52	JMB
Aroclor-1254 [1]	ND	0.95	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 7:52	JMB
Aroclor-1260 [1]	ND	0.95	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 7:52	JMB
Aroclor-1262 [1]	ND	0.95	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 7:52	JMB
Aroclor-1268 [1]	ND	0.95	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 7:52	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	109	30-150						2/20/11 7:52	
Decachlorobiphenyl [2]	118	30-150						2/20/11 7:52	
Tetrachloro-m-xylene [1]	88.4	30-150						2/20/11 7:52	
Tetrachloro-m-xylene [2]	72.6	30-150						2/20/11 7:52	



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Project Location: Worcester Commons Garage

Sample Description:

Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-040

Sampled: 2/17/2011 10:55

Sample ID: 11B0383-04

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 10:14	JMB
Aroclor-1221 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 10:14	JMB
Aroclor-1232 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 10:14	JMB
Aroclor-1242 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 10:14	JMB
Aroclor-1248 [2]	2.4	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 10:14	JMB
Aroclor-1254 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 10:14	JMB
Aroclor-1260 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 10:14	JMB
Aroclor-1262 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 10:14	JMB
Aroclor-1268 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 10:14	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	110	30-150							2/20/11 10:14
Decachlorobiphenyl [2]	92.5	30-150							2/20/11 10:14
Tetrachloro-m-xylene [1]	115	30-150							2/20/11 10:14
Tetrachloro-m-xylene [2]	96.7	30-150							2/20/11 10:14



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Worcester Commons Garage

Sample Description:

Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-041

Sampled: 2/17/2011 11:14

Sample ID: 11B0383-05

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 14:19	JMB
Aroclor-1221 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 14:19	JMB
Aroclor-1232 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 14:19	JMB
Aroclor-1242 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 14:19	JMB
Aroclor-1248 [1]	14	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 14:19	JMB
Aroclor-1254 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 14:19	JMB
Aroclor-1260 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 14:19	JMB
Aroclor-1262 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 14:19	JMB
Aroclor-1268 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 14:19	JMB
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			2/19/11 14:19	
Decachlorobiphenyl [2]	*	30-150			S-01			2/19/11 14:19	
Tetrachloro-m-xylene [1]	*	30-150			S-01			2/19/11 14:19	
Tetrachloro-m-xylene [2]	*	30-150			S-01			2/19/11 14:19	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Worcester Commons Garage

Sample Description:

Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-042

Sampled: 2/17/2011 11:28

Sample ID: 11B0383-06

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.4	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 14:34	JMB
Aroclor-1221 [1]	ND	9.4	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 14:34	JMB
Aroclor-1232 [1]	ND	9.4	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 14:34	JMB
Aroclor-1242 [1]	ND	9.4	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 14:34	JMB
Aroclor-1248 [2]	27	9.4	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 14:34	JMB
Aroclor-1254 [1]	ND	9.4	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 14:34	JMB
Aroclor-1260 [1]	ND	9.4	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 14:34	JMB
Aroclor-1262 [1]	ND	9.4	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 14:34	JMB
Aroclor-1268 [1]	ND	9.4	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 14:34	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	*	30-150	S-01						2/19/11 14:34
Decachlorobiphenyl [2]	*	30-150	S-01						2/19/11 14:34
Tetrachloro-m-xylene [1]	*	30-150	S-01						2/19/11 14:34
Tetrachloro-m-xylene [2]	*	30-150	S-01						2/19/11 14:34



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Worcester Commons Garage

Sample Description:

Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-043

Sampled: 2/17/2011 11:47

Sample ID: 11B0383-07

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1900	mg/Kg	10000		SW-846 8082	2/18/11	2/20/11 8:19	JMB
Aroclor-1221 [1]	ND	1900	mg/Kg	10000		SW-846 8082	2/18/11	2/20/11 8:19	JMB
Aroclor-1232 [1]	ND	1900	mg/Kg	10000		SW-846 8082	2/18/11	2/20/11 8:19	JMB
Aroclor-1242 [1]	ND	1900	mg/Kg	10000		SW-846 8082	2/18/11	2/20/11 8:19	JMB
Aroclor-1248 [1]	ND	1900	mg/Kg	10000		SW-846 8082	2/18/11	2/20/11 8:19	JMB
Aroclor-1254 [1]	ND	1900	mg/Kg	10000		SW-846 8082	2/18/11	2/20/11 8:19	JMB
Aroclor-1260 [1]	ND	1900	mg/Kg	10000		SW-846 8082	2/18/11	2/20/11 8:19	JMB
Aroclor-1262 [1]	ND	1900	mg/Kg	10000		SW-846 8082	2/18/11	2/20/11 8:19	JMB
Aroclor-1268 [2]	31000	1900	mg/Kg	10000		SW-846 8082	2/18/11	2/20/11 8:19	JMB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01				2/20/11 8:19
Decachlorobiphenyl [2]	*		30-150		S-01				2/20/11 8:19
Tetrachloro-m-xylene [1]	*		30-150		S-01				2/20/11 8:19
Tetrachloro-m-xylene [2]	*		30-150		S-01				2/20/11 8:19



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Worcester Commons Garage

Sample Description:

Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-044

Sampled: 2/17/2011 12:52

Sample ID: 11B0383-08

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 8:33	JMB
Aroclor-1221 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 8:33	JMB
Aroclor-1232 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 8:33	JMB
Aroclor-1242 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 8:33	JMB
Aroclor-1248 [2]	24	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 8:33	JMB
Aroclor-1254 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 8:33	JMB
Aroclor-1260 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 8:33	JMB
Aroclor-1262 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 8:33	JMB
Aroclor-1268 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 8:33	JMB
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	*	30-150		S-01				2/20/11 8:33	
Decachlorobiphenyl [2]	*	30-150		S-01				2/20/11 8:33	
Tetrachloro-m-xylene [1]	*	30-150		S-01				2/20/11 8:33	
Tetrachloro-m-xylene [2]	*	30-150		S-01				2/20/11 8:33	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Worcester Commons Garage

Sample Description:

Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-045

Sampled: 2/17/2011 12:56

Sample ID: 11B0383-09

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 15:17	JMB
Aroclor-1221 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 15:17	JMB
Aroclor-1232 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 15:17	JMB
Aroclor-1242 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 15:17	JMB
Aroclor-1248 [1]	37	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 15:17	JMB
Aroclor-1254 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 15:17	JMB
Aroclor-1260 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 15:17	JMB
Aroclor-1262 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 15:17	JMB
Aroclor-1268 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 15:17	JMB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01				2/19/11 15:17
Decachlorobiphenyl [2]	*		30-150		S-01				2/19/11 15:17
Tetrachloro-m-xylene [1]	*		30-150		S-01				2/19/11 15:17
Tetrachloro-m-xylene [2]	*		30-150		S-01				2/19/11 15:17



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Worcester Commons Garage

Sample Description:

Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-046

Sampled: 2/17/2011 13:10

Sample ID: 11B0383-10

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 8:48	JMB
Aroclor-1221 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 8:48	JMB
Aroclor-1232 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 8:48	JMB
Aroclor-1242 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 8:48	JMB
Aroclor-1248 [2]	4.3	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 8:48	JMB
Aroclor-1254 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 8:48	JMB
Aroclor-1260 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 8:48	JMB
Aroclor-1262 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 8:48	JMB
Aroclor-1268 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 8:48	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	109	30-150						2/20/11 8:48	
Decachlorobiphenyl [2]	98.9	30-150						2/20/11 8:48	
Tetrachloro-m-xylene [1]	110	30-150						2/20/11 8:48	
Tetrachloro-m-xylene [2]	97.3	30-150						2/20/11 8:48	



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Project Location: Worcester Commons Garage

Sample Description:

Work Order 11B0383

Date Received 2/17/2011

Field Sample #: WCP-047

Sampled: 2/17/2011 13:20

Sample ID: 11B0383-11

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 15:45	JMB
Aroclor-1221 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 15:45	JMB
Aroclor-1232 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 15:45	JMB
Aroclor-1242 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 15:45	JMB
Aroclor-1248 [2]	35	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 15:45	JMB
Aroclor-1254 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 15:45	JMB
Aroclor-1260 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 15:45	JMB
Aroclor-1262 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 15:45	JMB
Aroclor-1268 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 15:45	JMB
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01				2/19/11 15:45
Decachlorobiphenyl [2]	*	30-150			S-01				2/19/11 15:45
Tetrachloro-m-xylene [1]	*	30-150			S-01				2/19/11 15:45
Tetrachloro-m-xylene [2]	*	30-150			S-01				2/19/11 15:45



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Project Location: Worcester Commons Garage

Sample Description:

Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-048

Sampled: 2/17/2011 13:46

Sample ID: 11B0383-12

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:11	JMB
Aroclor-1221 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:11	JMB
Aroclor-1232 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:11	JMB
Aroclor-1242 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:11	JMB
Aroclor-1248 [1]	32	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:11	JMB
Aroclor-1254 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:11	JMB
Aroclor-1260 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:11	JMB
Aroclor-1262 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:11	JMB
Aroclor-1268 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:11	JMB
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01				2/19/11 17:11
Decachlorobiphenyl [2]		*	30-150		S-01				2/19/11 17:11
Tetrachloro-m-xylene [1]		*	30-150		S-01				2/19/11 17:11
Tetrachloro-m-xylene [2]		*	30-150		S-01				2/19/11 17:11



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Project Location: Worcester Commons Garage

Sample Description:

Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-049

Sampled: 2/17/2011 14:00

Sample ID: 11B0383-13

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:26	JMB
Aroclor-1221 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:26	JMB
Aroclor-1232 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:26	JMB
Aroclor-1242 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:26	JMB
Aroclor-1248 [2]	34	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:26	JMB
Aroclor-1254 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:26	JMB
Aroclor-1260 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:26	JMB
Aroclor-1262 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:26	JMB
Aroclor-1268 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:26	JMB
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	*	30-150		S-01					2/19/11 17:26
Decachlorobiphenyl [2]	*	30-150		S-01					2/19/11 17:26
Tetrachloro-m-xylene [1]	*	30-150		S-01					2/19/11 17:26
Tetrachloro-m-xylene [2]	*	30-150		S-01					2/19/11 17:26



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Project Location: Worcester Commons Garage

Sample Description:

Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-050

Sampled: 2/17/2011 14:10

Sample ID: 11B0383-14

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:40	JMB
Aroclor-1221 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:40	JMB
Aroclor-1232 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:40	JMB
Aroclor-1242 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:40	JMB
Aroclor-1248 [1]	23	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:40	JMB
Aroclor-1254 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:40	JMB
Aroclor-1260 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:40	JMB
Aroclor-1262 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:40	JMB
Aroclor-1268 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:40	JMB
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01				2/19/11 17:40
Decachlorobiphenyl [2]	*	30-150			S-01				2/19/11 17:40
Tetrachloro-m-xylene [1]	*	30-150			S-01				2/19/11 17:40
Tetrachloro-m-xylene [2]	*	30-150			S-01				2/19/11 17:40



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Worcester Commons Garage

Sample Description:

Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-052

Sampled: 2/17/2011 15:24

Sample ID: 11B0383-16

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	19	mg/Kg	100		SW-846 8082	2/18/11	2/20/11 9:16	JMB
Aroclor-1221 [1]	ND	19	mg/Kg	100		SW-846 8082	2/18/11	2/20/11 9:16	JMB
Aroclor-1232 [1]	ND	19	mg/Kg	100		SW-846 8082	2/18/11	2/20/11 9:16	JMB
Aroclor-1242 [1]	ND	19	mg/Kg	100		SW-846 8082	2/18/11	2/20/11 9:16	JMB
Aroclor-1248 [2]	260	19	mg/Kg	100		SW-846 8082	2/18/11	2/20/11 9:16	JMB
Aroclor-1254 [1]	ND	19	mg/Kg	100		SW-846 8082	2/18/11	2/20/11 9:16	JMB
Aroclor-1260 [1]	ND	19	mg/Kg	100		SW-846 8082	2/18/11	2/20/11 9:16	JMB
Aroclor-1262 [1]	ND	19	mg/Kg	100		SW-846 8082	2/18/11	2/20/11 9:16	JMB
Aroclor-1268 [1]	ND	19	mg/Kg	100		SW-846 8082	2/18/11	2/20/11 9:16	JMB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01			2/20/11 9:16	
Decachlorobiphenyl [2]	*		30-150		S-01			2/20/11 9:16	
Tetrachloro-m-xylene [1]	*		30-150		S-01			2/20/11 9:16	
Tetrachloro-m-xylene [2]	*		30-150		S-01			2/20/11 9:16	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Worcester Commons Garage

Sample Description:

Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-053

Sampled: 2/17/2011 15:30

Sample ID: 11B0383-17

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 9:31	JMB
Aroclor-1221 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 9:31	JMB
Aroclor-1232 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 9:31	JMB
Aroclor-1242 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 9:31	JMB
Aroclor-1248 [2]	5.9	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 9:31	JMB
Aroclor-1254 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 9:31	JMB
Aroclor-1260 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 9:31	JMB
Aroclor-1262 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 9:31	JMB
Aroclor-1268 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 9:31	JMB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	109		30-150					2/20/11 9:31	
Decachlorobiphenyl [2]	85.0		30-150					2/20/11 9:31	
Tetrachloro-m-xylene [1]	102		30-150					2/20/11 9:31	
Tetrachloro-m-xylene [2]	88.0		30-150					2/20/11 9:31	



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Project Location: Worcester Commons Garage

Sample Description:

Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-054

Sampled: 2/17/2011 15:33

Sample ID: 11B0383-18

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 18:38	JMB
Aroclor-1221 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 18:38	JMB
Aroclor-1232 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 18:38	JMB
Aroclor-1242 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 18:38	JMB
Aroclor-1248 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 18:38	JMB
Aroclor-1254 [2]	28	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 18:38	JMB
Aroclor-1260 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 18:38	JMB
Aroclor-1262 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 18:38	JMB
Aroclor-1268 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 18:38	JMB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01				2/19/11 18:38
Decachlorobiphenyl [2]	*		30-150		S-01				2/19/11 18:38
Tetrachloro-m-xylene [1]	*		30-150		S-01				2/19/11 18:38
Tetrachloro-m-xylene [2]	*		30-150		S-01				2/19/11 18:38



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Worcester Commons Garage

Sample Description:

Work Order 11B0383

Date Received 2/17/2011

Field Sample #: WCP-055

Sampled: 2/17/2011 15:42

Sample ID: 11B0383-19

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 18:53	JMB
Aroclor-1221 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 18:53	JMB
Aroclor-1232 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 18:53	JMB
Aroclor-1242 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 18:53	JMB
Aroclor-1248 [2]	43	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 18:53	JMB
Aroclor-1254 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 18:53	JMB
Aroclor-1260 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 18:53	JMB
Aroclor-1262 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 18:53	JMB
Aroclor-1268 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 18:53	JMB
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	*	30-150		S-01				2/19/11 18:53	
Decachlorobiphenyl [2]	*	30-150		S-01				2/19/11 18:53	
Tetrachloro-m-xylene [1]	*	30-150		S-01				2/19/11 18:53	
Tetrachloro-m-xylene [2]	*	30-150		S-01				2/19/11 18:53	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Worcester Commons Garage

Sample Description:

Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-056

Sampled: 2/17/2011 15:50

Sample ID: 11B0383-20

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:07	JMB
Aroclor-1221 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:07	JMB
Aroclor-1232 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:07	JMB
Aroclor-1242 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:07	JMB
Aroclor-1248 [2]	31	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:07	JMB
Aroclor-1254 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:07	JMB
Aroclor-1260 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:07	JMB
Aroclor-1262 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:07	JMB
Aroclor-1268 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:07	JMB
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01				2/19/11 19:07
Decachlorobiphenyl [2]	*	30-150			S-01				2/19/11 19:07
Tetrachloro-m-xylene [1]	*	30-150			S-01				2/19/11 19:07
Tetrachloro-m-xylene [2]	*	30-150			S-01				2/19/11 19:07



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Worcester Commons Garage

Sample Description:

Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-DUP-04

Sampled: 2/17/2011 11:20

Sample ID: 11B0383-21

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:22	JMB
Aroclor-1221 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:22	JMB
Aroclor-1232 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:22	JMB
Aroclor-1242 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:22	JMB
Aroclor-1248 [1]	14	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:22	JMB
Aroclor-1254 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:22	JMB
Aroclor-1260 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:22	JMB
Aroclor-1262 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:22	JMB
Aroclor-1268 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:22	JMB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01			2/19/11 19:22	
Decachlorobiphenyl [2]	*		30-150		S-01			2/19/11 19:22	
Tetrachloro-m-xylene [1]	*		30-150		S-01			2/19/11 19:22	
Tetrachloro-m-xylene [2]	*		30-150		S-01			2/19/11 19:22	



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Project Location: Worcester Commons Garage

Sample Description:

Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-DUP-05

Sampled: 2/17/2011 13:51

Sample ID: 11B0383-22

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:37	JMB
Aroclor-1221 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:37	JMB
Aroclor-1232 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:37	JMB
Aroclor-1242 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:37	JMB
Aroclor-1248 [2]	240	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:37	JMB
Aroclor-1254 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:37	JMB
Aroclor-1260 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:37	JMB
Aroclor-1262 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:37	JMB
Aroclor-1268 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:37	JMB
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01				2/19/11 19:37
Decachlorobiphenyl [2]		*	30-150		S-01				2/19/11 19:37
Tetrachloro-m-xylene [1]		*	30-150		S-01				2/19/11 19:37
Tetrachloro-m-xylene [2]		*	30-150		S-01				2/19/11 19:37



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Worcester Commons Garage

Sample Description:

Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-DUP-06

Sampled: 2/17/2011 15:29

Sample ID: 11B0383-23

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.7	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:51	JMB
Aroclor-1221 [1]	ND	9.7	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:51	JMB
Aroclor-1232 [1]	ND	9.7	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:51	JMB
Aroclor-1242 [1]	ND	9.7	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:51	JMB
Aroclor-1248 [2]	110	9.7	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:51	JMB
Aroclor-1254 [1]	ND	9.7	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:51	JMB
Aroclor-1260 [1]	ND	9.7	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:51	JMB
Aroclor-1262 [1]	ND	9.7	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:51	JMB
Aroclor-1268 [1]	ND	9.7	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:51	JMB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01				2/19/11 19:51
Decachlorobiphenyl [2]	*		30-150		S-01				2/19/11 19:51
Tetrachloro-m-xylene [1]	*		30-150		S-01				2/19/11 19:51
Tetrachloro-m-xylene [2]	*		30-150		S-01				2/19/11 19:51



39 Spruce Street • East Longmeadow, MA 01028 • FAX 413/525-6405 • TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082

Lab Number Field ID	Batch	Initial [g]	Final [mL]	Date
11B0383-01 [WCP-037]	B026278	0.504	10.0	02/18/11
11B0383-02 [WCP-038]	B026278	0.525	10.0	02/18/11
11B0383-03 [WCP-039]	B026278	0.527	10.0	02/18/11
11B0383-04 [WCP-040]	B026278	0.505	10.0	02/18/11
11B0383-05 [WCP-041]	B026278	0.522	10.0	02/18/11
11B0383-06 [WCP-042]	B026278	0.530	10.0	02/18/11
11B0383-07 [WCP-043]	B026278	0.518	10.0	02/18/11
11B0383-08 [WCP-044]	B026278	0.508	10.0	02/18/11
11B0383-09 [WCP-045]	B026278	0.509	10.0	02/18/11
11B0383-10 [WCP-046]	B026278	0.505	10.0	02/18/11
11B0383-11 [WCP-047]	B026278	0.519	10.0	02/18/11
11B0383-12 [WCP-048]	B026278	0.506	10.0	02/18/11
11B0383-13 [WCP-049]	B026278	0.507	10.0	02/18/11
11B0383-14 [WCP-050]	B026278	0.525	10.0	02/18/11
11B0383-15 [WCP-051]	B026278	0.510	10.0	02/18/11
11B0383-16 [WCP-052]	B026278	0.530	10.0	02/18/11
11B0383-17 [WCP-053]	B026278	0.510	10.0	02/18/11
11B0383-19 [WCP-055]	B026278	0.520	10.0	02/18/11
11B0383-20 [WCP-056]	B026278	0.528	10.0	02/18/11
11B0383-21 [WCP-DUP-04]	B026278	0.508	10.0	02/18/11

Prep Method: SW-846 3540C-SW-846 8082

Lab Number Field ID	Batch	Initial [g]	Final [mL]	Date
11B0383-18 [WCP-054]	B026279	0.523	10.0	02/18/11
11B0383-22 [WCP-DUP-05]	B026279	0.520	10.0	02/18/11
11B0383-23 [WCP-DUP-06]	B026279	0.518	10.0	02/18/11



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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B026278 - SW-846 3540C

Blank (B026278-BLK1)

Prepared: 02/18/11 Analyzed: 02/19/11

Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	3.98		mg/Kg	4.00		99.4		30-150		
Surrogate: Decachlorobiphenyl [2C]	4.08		mg/Kg	4.00		102		30-150		
Surrogate: Tetrachloro-m-xylene	3.90		mg/Kg	4.00		97.6		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	3.68		mg/Kg	4.00		91.9		30-150		

LCS (B026278-BST1)

Prepared: 02/18/11 Analyzed: 02/19/11

Aroclor-1016	1.1	0.20	mg/Kg	1.00		112		40-140		
Aroclor-1016 [2C]	1.1	0.20	mg/Kg	1.00		109		40-140		
Aroclor-1260	1.2	0.20	mg/Kg	1.00		122		40-140		
Aroclor-1260 [2C]	1.2	0.20	mg/Kg	1.00		121		40-140		
Surrogate: Decachlorobiphenyl	4.11		mg/Kg	4.00		103		30-150		
Surrogate: Decachlorobiphenyl [2C]	4.29		mg/Kg	4.00		107		30-150		
Surrogate: Tetrachloro-m-xylene	4.03		mg/Kg	4.00		101		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	3.71		mg/Kg	4.00		92.7		30-150		

LCS Dup (B026278-BSD1)

Prepared: 02/18/11 Analyzed: 02/19/11

Aroclor-1016	1.2	0.20	mg/Kg	1.00		123		40-140	9.25	30
Aroclor-1016 [2C]	1.1	0.20	mg/Kg	1.00		111		40-140	1.75	30
Aroclor-1260	1.2	0.20	mg/Kg	1.00		124		40-140	2.08	30
Aroclor-1260 [2C]	1.2	0.20	mg/Kg	1.00		121		40-140	0.432	30
Surrogate: Decachlorobiphenyl	4.18		mg/Kg	4.00		105		30-150		
Surrogate: Decachlorobiphenyl [2C]	4.30		mg/Kg	4.00		108		30-150		
Surrogate: Tetrachloro-m-xylene	4.04		mg/Kg	4.00		101		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	3.78		mg/Kg	4.00		94.4		30-150		



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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B026279 - SW-846 3540C

Blank (B026279-BLK1)

Prepared 02/18/11 Analyzed: 02/19/11

Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	4.10		mg/Kg	4.00		102		30-150		
Surrogate: Decachlorobiphenyl [2C]	4.22		mg/Kg	4.00		106		30-150		
Surrogate: Tetrachloro-m-xylene	4.25		mg/Kg	4.00		106		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	3.89		mg/Kg	4.00		97.3		30-150		

LCS (B026279-BSI)

Prepared: 02/18/11 Analyzed: 02/19/11

Aroclor-1016	1.1	0.20	mg/Kg	1.00		114		40-140		
Aroclor-1016 [2C]	1.1	0.20	mg/Kg	1.00		113		40-140		
Aroclor-1260	1.3	0.20	mg/Kg	1.00		126		40-140		
Aroclor-1260 [2C]	1.2	0.20	mg/Kg	1.00		116		40-140		
Surrogate: Decachlorobiphenyl	4.20		mg/Kg	4.00		105		30-150		
Surrogate: Decachlorobiphenyl [2C]	4.06		mg/Kg	4.00		102		30-150		
Surrogate: Tetrachloro-m-xylene	3.94		mg/Kg	4.00		98.5		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	3.69		mg/Kg	4.00		92.3		30-150		

LCS Dup (B026279-BSD1)

Prepared: 02/18/11 Analyzed: 02/19/11

Aroclor-1016	1.3	0.20	mg/Kg	1.00		129		40-140	12.3	30
Aroclor-1016 [2C]	1.1	0.20	mg/Kg	1.00		114		40-140	1.19	30
Aroclor-1260	1.2	0.20	mg/Kg	1.00		119		40-140	5.52	30
Aroclor-1260 [2C]	1.1	0.20	mg/Kg	1.00		115		40-140	1.58	30
Surrogate: Decachlorobiphenyl	4.10		mg/Kg	4.00		103		30-150		
Surrogate: Decachlorobiphenyl [2C]	4.15		mg/Kg	4.00		104		30-150		
Surrogate: Tetrachloro-m-xylene	4.19		mg/Kg	4.00		105		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	3.84		mg/Kg	4.00		96.0		30-150		



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FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
- † Wide recovery limits established for difficult compound.
- ‡ Wide RPD limits established for difficult compound.
- # Data exceeded client recommended or regulatory level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

- S-01 The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
No certified Analyses included in this Report	

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2011
CT	Connecticut Department of Public Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2011
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2012
RI	Rhode Island Department of Health	LAO00112	12/30/2011
NC	North Carolina Div. of Water Quality	652	12/31/2011
NJ	New Jersey DEP	MA007 NELAP	06/30/2011
FL	Florida Department of Health	E871027 NELAP	06/30/2011
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2011
WA	State of Washington Department of Ecology	C2065	02/23/2011

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 3

Address: 5 Industrial Way Telephone: 603-863-0016
Project Name: JRS Corporation Project #: 39743438
Attention: Mark W. Weller Client PO# A
Project Location: Wellesley Commons Clean ANALYSIS REQUESTED
Sampled By: R. L. Wong / S. L. Choi

Project Proposal Provided? (for billing purposes)
 Yes proposal date

DATA DELIVERY (check all that apply)

FAX EMAIL WEBSITE

Format:

PDF EXCEL GIS

OTHER

"Enhanced Data Package"

Dissolved Metals

Field Filtered

Lab to Filter

***Container Code:

A=Amber glass

G=glass

P=plastic

ST=sterile

V=vial

S=summary can

F=tedlar bag

O=Other

**Preservation

I = Iced

H = HCL

M = Methanol

N = Nitric Acid

S = Sulfuric Acid

B = Sodium bisulfate

X = Na hydroxide

T = Na thiosulfate

O = Other

**Matrix Code:

A = air

GW = groundwater

WW = wastewater

DW = drinking water

SL = soil/sludge

O = other

CAWIK

Comments:

Con-Test Lab ID (Laboratory test only)	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab Date	Matrix Code	Long Code	Notes
-01	WCP-037	1000	3/17/11		X	O	M-L	
-02	WCP-038	1013			X			
-03	WCP-039	1037						
-04	WCP-040	1055						
-05	WCP-041	1114						
-06	WCP-042	1128						
-07	WCP-043	1147						
-08	WCP-044	1252						
-09	WCP-045	1256						
-10	WCP-046	1310						

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by (signature)	Date/Time:	Turnaround ^{††}	Detection Limit Requirements					Is your project MCP or RCP?
<i>John Weller</i>	3/17/11 1610	<input type="checkbox"/> 7-Day	Massachusetts:					<input type="radio"/> MCP Analytical Certification Form Required
Relinquished by (signature)	Date/Time:	<input type="checkbox"/> 10-Day						<input type="radio"/> RCP Analysis Certification Form Required
<i>John Weller</i>	3/17/11 1610	<input type="checkbox"/> Other						<input type="radio"/> MA State DW Form Required PWSID # _____
Received by (signature)	Date/Time:	<input type="checkbox"/> RUSH	Connecticut:					
<i>John Weller</i>	3/17/11 1730	<input type="checkbox"/> 24-Hr <input type="checkbox"/> 48-Hr						
		<input type="checkbox"/> 72-Hr <input type="checkbox"/> 4-Day						
		Other:						

^{††} Require lab approval
SL = soil/sludge
O = other CAWIK
A = air
GW = groundwater
WW = wastewater
DW = drinking water

Relinquished by (signature)	Date/Time:	Turnaround ^{††}	Detection Limit Requirements					Is your project MCP or RCP?
<i>John Weller</i>	3/17/11 1610	<input type="checkbox"/> 7-Day	Massachusetts:					<input type="radio"/> MCP Analytical Certification Form Required
Relinquished by (signature)	Date/Time:	<input type="checkbox"/> 10-Day						<input type="radio"/> RCP Analysis Certification Form Required
<i>John Weller</i>	3/17/11 1610	<input type="checkbox"/> Other						<input type="radio"/> MA State DW Form Required PWSID # _____
Received by (signature)	Date/Time:	<input type="checkbox"/> RUSH	Connecticut:					
<i>John Weller</i>	3/17/11 1730	<input type="checkbox"/> 24-Hr <input type="checkbox"/> 48-Hr						
		<input type="checkbox"/> 72-Hr <input type="checkbox"/> 4-Day						
		Other:						

If TURNAROUND TIME (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT



Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

11B0383

39 Spruce Street
East Longmeadow, MA 01028

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CHAIN OF CUSTODY RECORD

Company Name: WRC Corp	Address: 5 Industrial Way SALEM NH 03079	Telephone: 603-893-0616	Project #: 3974 3E138	A	ANALYSIS REQUESTED	Dissolved Metals	# of Containers
Attention: Markus Wacker	Client PO#					***Container Code	
Project Location: Worchester Commons Condo	DATA DELIVERY (check all that apply)					O Field Filtered	** Preservation
Sampled By: R. Lawrence, S.W.Cain	Fax #					O Lab to Filter	
Project Proposal Provided? (for billing purposes) O yes _____ proposal date	Email:						
Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection	Beginning Date/Time	Ending Date/Time	Composite	Grab Date	Mark Conc Code
-11	WCP-047	1320	2/17/11		X	○	M-L X
-12	WCP - 048	1346					
-13	WCP - 049	1400					
-14	WCP-050	1410					
-15	WCP - 051	1436					
-16	WCP - 052	1524					
-17	WCP - 053	1530					
-18	WCP - 054	1533					
-19	WCP - 055	1542					
-20	WCP - 056	1550			✓	✓	PCBs 8062
Comments: <i>John Wacker</i>							
<p>Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:</p> <p>H - High; M - Medium; L - Low; C - Clean; U - Unknown</p>							
Sample WCP-054 Rec'd 2-18-11 JMW		Turnaround Time	Detection Limit Requirements		Is your project MCP or RCP?		
Republished by: (signature) <i>John Wacker</i> Date/Time: 2/17/11 1610		<input type="checkbox"/> 7-Day <input type="checkbox"/> 10-Day <input type="checkbox"/> Other _____	Massachusetts: _____		<input type="checkbox"/> MCP Analytical Certification Form Required <input type="checkbox"/> RCP Analysis Certification Form Required <input type="checkbox"/> MA State DW Form Required PWSID # _____		
Received by: (signature) <i>John Wacker</i> Date/Time: 2/12/11 1600		<input type="checkbox"/> 24-Hr <input type="checkbox"/> 48-Hr	Connecticut: _____		*Matrix Code: GW = Groundwater WW = wastewater DW = drinking water A = air S = soil/solid SL = sludge O = other <u>soil</u>		
Relinquished by: (signature) <i>John Wacker</i> Date/Time: 2/17/11 1730		<input type="checkbox"/> 24-Hr <input type="checkbox"/> 48-Hr <input type="checkbox"/> 72-Hr <input type="checkbox"/> 14-Day	Other: _____				
Received by: (signature) <i>John Wacker</i> Date/Time: 2/17/11 1730		[†] Require lab approval Other: _____					

COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

Sample Receipt Checklist

CLIENT NAME: URSRECEIVED BY: CSC

39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-5405

DATE: 2/17/11

1) Was the chain(s) of custody relinquished and signed?

 Yes No

2) Does the chain agree with the samples?

If not, explain: MISSING WCP-054 Yes No

3) Are all the samples in good condition?

If not, explain:

 Yes No

4) How were the samples received:

On Ice Direct from Sampling Ambient In Cooler(s)

Were the samples received in Temperature Compliance of (2-6°C)?

 Yes No N/ATemperature °C by Temp blank 4.0

Temperature °C by Temp gun _____

5) Are there Dissolved samples for the lab to filter?

 Yes No

Who was notified _____ Date _____ Time _____

6) Are there any samples "On Hold"?

 Yes No

Stored where: _____

7) Are there any RUSH or SHORT HOLDING TIME samples?

 Yes No

Who was notified _____ Date _____ Time _____

8) Location where samples are stored:

19

Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved
 Client Signature: _____

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	<u>15 / 7</u>
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below		SOC Kit	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Non-ConTest Container	
Flashpoint bottle		Other	
Encore		PM 2.5 / PM 10	
Perchlorate Kit		PUF Cartridge	

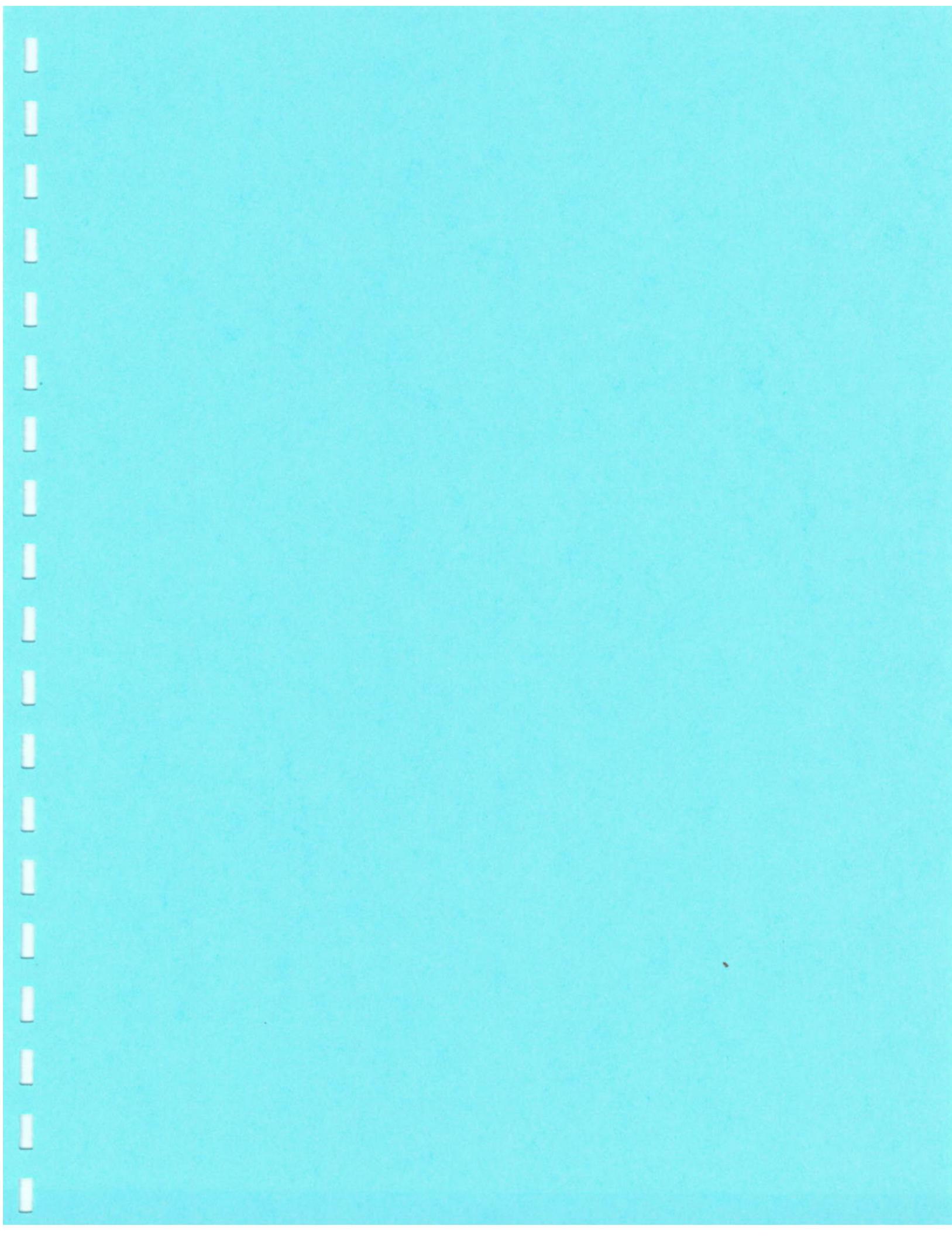
Laboratory Comments: Missing WCP-054 Sample WCP-054 Rec'd 12-18-11
JMG

40 mL vials: # HCl _____	# Methanol _____	Time and Date Frozen: _____
# Bisulfate _____	# DI Water _____	
# Thiosulfate _____	Unpreserved _____	

Do all samples have the proper Acid pH: Yes No N/A _____Do all samples have the proper Base pH: Yes No N/A _____

June

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

February 22, 2011

Ben Grigas
URS - New Hampshire
5 Industrial Way
Salem, NH 03079

Project Location: Worcester Commons Garage
Client Job Number:
Project Number: 39743438.13
Laboratory Work Order Number: 11B0428

Enclosed are results of analyses for samples received by the laboratory on February 18, 2011. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "James M. Georganas". The signature is fluid and cursive, with "James" and "M." appearing above "Georganas".

James M. Georganas
Project Manager



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

REPORT DATE: 2/22/2011

URS - New Hampshire
5 Industrial Way
Salem, NH 03079
ATTN: Ben Grigas

PURCHASE ORDER NUMBER: 242134

PROJECT NUMBER: 39743438.13

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 11B0428

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Worcester Commons Garage

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WCP-057	11B0428-01	Caulk		SW-846 8082	
WCP-058	11B0428-02	Caulk		SW-846 8082	
WCP-059	11B0428-03	Caulk		SW-846 8082	
WCP-060	11B0428-04	Caulk		SW-846 8082	
WCP-061	11B0428-05	Caulk		SW-846 8082	
WCP-062	11B0428-06	Caulk		SW-846 8082	
WCP-063	11B0428-07	Caulk		SW-846 8082	
WCP-064	11B0428-08	Caulk		SW-846 8082	
WCP-065	11B0428-09	Caulk		SW-846 8082	
WCP-066	11B0428-10	Caulk		SW-846 8082	
WCP-067	11B0428-11	Caulk		SW-846 8082	



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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082

Qualifications:

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl, Decachlorobiphenyl [2C], Tetrachloro-m-xylene, Tetrachloro-m-xylene [2C]

11B0428-04[WCP-060], 11B0428-05[WCP-061], 11B0428-06[WCP-062]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Daren J. Damboragian".

Daren J. Damboragian
Laboratory Manager



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Worcester Commons Garage

Sample Description:

Work Order: 11B0428

Date Received: 2/18/2011

Field Sample #: WCP-057

Sampled: 2/17/2011 16:43

Sample ID: 11B0428-01

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.90	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 13:21	JMB
Aroclor-1221 [1]	ND	0.90	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 13:21	JMB
Aroclor-1232 [1]	ND	0.90	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 13:21	JMB
Aroclor-1242 [1]	ND	0.90	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 13:21	JMB
Aroclor-1248 [1]	3.9	0.90	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 13:21	JMB
Aroclor-1254 [1]	ND	0.90	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 13:21	JMB
Aroclor-1260 [1]	ND	0.90	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 13:21	JMB
Aroclor-1262 [1]	ND	0.90	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 13:21	JMB
Aroclor-1268 [1]	ND	0.90	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 13:21	JMB
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	97.2	30-150						2/20/11 13:21	
Decachlorobiphenyl [2]	81.1	30-150						2/20/11 13:21	
Tetrachloro-m-xylene [1]	102	30-150						2/20/11 13:21	
Tetrachloro-m-xylene [2]	88.0	30-150						2/20/11 13:21	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Worcester Commons Garage

Sample Description:

Work Order 11B0428

Date Received: 2/18/2011

Field Sample #: WCP-058

Sampled 2/17/2011 16:57

Sample ID: 11B0428-02

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 10:57	JMB
Aroclor-1221 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 10:57	JMB
Aroclor-1232 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 10:57	JMB
Aroclor-1242 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 10:57	JMB
Aroclor-1248 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 10:57	JMB
Aroclor-1254 [2]	19	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 10:57	JMB
Aroclor-1260 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 10:57	JMB
Aroclor-1262 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 10:57	JMB
Aroclor-1268 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 10:57	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	89.9	30-150							2/20/11 10:57
Decachlorobiphenyl [2]	85.0	30-150							2/20/11 10:57
Tetrachloro-m-xylene [1]	90.3	30-150							2/20/11 10:57
Tetrachloro-m-xylene [2]	74.4	30-150							2/20/11 10:57



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Worcester Commons Garage

Sample Description:

Work Order: 11B0428

Date Received: 2/18/2011

Field Sample #: WCP-059

Sampled: 2/17/2011 17:04

Sample ID: 11B0428-03

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.88	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 11:11	JMB
Aroclor-1221 [1]	ND	0.88	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 11:11	JMB
Aroclor-1232 [1]	ND	0.88	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 11:11	JMB
Aroclor-1242 [1]	ND	0.88	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 11:11	JMB
Aroclor-1248 [1]	3.6	0.88	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 11:11	JMB
Aroclor-1254 [1]	ND	0.88	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 11:11	JMB
Aroclor-1260 [1]	ND	0.88	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 11:11	JMB
Aroclor-1262 [1]	ND	0.88	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 11:11	JMB
Aroclor-1268 [1]	ND	0.88	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 11:11	JMB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	109		30-150						2/20/11 11:11
Decachlorobiphenyl [2]	91.1		30-150						2/20/11 11:11
Tetrachloro-m-xylene [1]	108		30-150						2/20/11 11:11
Tetrachloro-m-xylene [2]	97.1		30-150						2/20/11 11:11



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Project Location: Worcester Commons Garage

Sample Description:

Work Order: 11B0428

Date Received: 2/18/2011

Field Sample #: WCP-060

Sampled: 2/17/2011 17:50

Sample ID: 11B0428-04

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	8.9	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:26	JMB
Aroclor-1221 [1]	ND	8.9	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:26	JMB
Aroclor-1232 [1]	ND	8.9	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:26	JMB
Aroclor-1242 [1]	ND	8.9	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:26	JMB
Aroclor-1248 [2]	50	8.9	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:26	JMB
Aroclor-1254 [1]	ND	8.9	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:26	JMB
Aroclor-1260 [1]	ND	8.9	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:26	JMB
Aroclor-1262 [1]	ND	8.9	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:26	JMB
Aroclor-1268 [1]	ND	8.9	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:26	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	*	30-150	S-01						2/20/11 11:26
Decachlorobiphenyl [2]	*	30-150	S-01						2/20/11 11:26
Tetrachloro-m-xylene [1]	*	30-150	S-01						2/20/11 11:26
Tetrachloro-m-xylene [2]	*	30-150	S-01						2/20/11 11:26



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Project Location: Worcester Commons Garage

Sample Description:

Work Order: 11B0428

Date Received: 2/18/2011

Field Sample #: WCP-061

Sampled: 2/17/2011 17:36

Sample ID: 11B0428-05

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.1	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:40	JMB
Aroclor-1221 [1]	ND	9.1	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:40	JMB
Aroclor-1232 [1]	ND	9.1	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:40	JMB
Aroclor-1242 [1]	ND	9.1	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:40	JMB
Aroclor-1248 [2]	42	9.1	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:40	JMB
Aroclor-1254 [1]	ND	9.1	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:40	JMB
Aroclor-1260 [1]	ND	9.1	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:40	JMB
Aroclor-1262 [1]	ND	9.1	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:40	JMB
Aroclor-1268 [1]	ND	9.1	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:40	JMB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01			2/20/11 11:40	
Decachlorobiphenyl [2]	*		30-150		S-01			2/20/11 11:40	
Tetrachloro-m-xylene [1]	*		30-150		S-01			2/20/11 11:40	
Tetrachloro-m-xylene [2]	*		30-150		S-01			2/20/11 11:40	



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Project Location: Worcester Commons Garage

Sample Description:

Work Order: 11B0428

Date Received: 2/18/2011

Field Sample #: WCP-062

Sampled: 2/18/2011 08:05

Sample ID: 11B0428-06

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	8.4	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:54	JMB
Aroclor-1221 [1]	ND	8.4	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:54	JMB
Aroclor-1232 [1]	ND	8.4	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:54	JMB
Aroclor-1242 [1]	ND	8.4	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:54	JMB
Aroclor-1248 [2]	56	8.4	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:54	JMB
Aroclor-1254 [1]	ND	8.4	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:54	JMB
Aroclor-1260 [1]	ND	8.4	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:54	JMB
Aroclor-1262 [1]	ND	8.4	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:54	JMB
Aroclor-1268 [1]	ND	8.4	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:54	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	*	30-150	S-01						2/20/11 11:54
Decachlorobiphenyl [2]	*	30-150	S-01						2/20/11 11:54
Tetrachloro-m-xylene [1]	*	30-150	S-01						2/20/11 11:54
Tetrachloro-m-xylene [2]	*	30-150	S-01						2/20/11 11:54



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Worcester Commons Garage

Sample Description:

Work Order: 11B0428

Date Received: 2/18/2011

Field Sample #: WCP-063

Sampled: 2/18/2011 08:20

Sample ID: 11B0428-07

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.89	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:09	JMB
Aroclor-1221 [1]	ND	0.89	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:09	JMB
Aroclor-1232 [1]	ND	0.89	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:09	JMB
Aroclor-1242 [1]	ND	0.89	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:09	JMB
Aroclor-1248 [1]	5.1	0.89	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:09	JMB
Aroclor-1254 [1]	ND	0.89	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:09	JMB
Aroclor-1260 [1]	ND	0.89	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:09	JMB
Aroclor-1262 [1]	ND	0.89	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:09	JMB
Aroclor-1268 [1]	ND	0.89	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:09	JMB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	107		30-150						2/20/11 12:09
Decachlorobiphenyl [2]	87.8		30-150						2/20/11 12:09
Tetrachloro-m-xylene [1]	108		30-150						2/20/11 12:09
Tetrachloro-m-xylene [2]	94.8		30-150						2/20/11 12:09



39 Spruce Street • East Longmeadow, MA 01028 • FAX 413/525-6405 • TEL. 413/525-2332

Project Location: Worcester Commons Garage

Sample Description:

Work Order: 11B0428

Date Received: 2/18/2011

Field Sample #: WCP-064

Sampled: 2/18/2011 08:34

Sample ID: 11B0428-08

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.95	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:23	JMB
Aroclor-1221 [1]	ND	0.95	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:23	JMB
Aroclor-1232 [1]	ND	0.95	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:23	JMB
Aroclor-1242 [1]	ND	0.95	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:23	JMB
Aroclor-1248 [1]	2.3	0.95	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:23	JMB
Aroclor-1254 [1]	ND	0.95	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:23	JMB
Aroclor-1260 [1]	ND	0.95	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:23	JMB
Aroclor-1262 [1]	ND	0.95	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:23	JMB
Aroclor-1268 [1]	ND	0.95	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:23	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	79.3	30-150							2/20/11 12:23
Decachlorobiphenyl [2]	66.2	30-150							2/20/11 12:23
Tetrachloro-m-xylene [1]	81.1	30-150							2/20/11 12:23
Tetrachloro-m-xylene [2]	69.4	30-150							2/20/11 12:23



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Project Location: Worcester Commons Garage

Sample Description:

Work Order: 11B0428

Date Received: 2/18/2011

Field Sample #: WCP-065

Sampled: 2/18/2011 08:45

Sample ID: 11B0428-09

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.91	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:38	JMB
Aroclor-1221 [1]	ND	0.91	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:38	JMB
Aroclor-1232 [1]	ND	0.91	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:38	JMB
Aroclor-1242 [1]	ND	0.91	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:38	JMB
Aroclor-1248 [2]	2.1	0.91	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:38	JMB
Aroclor-1254 [1]	ND	0.91	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:38	JMB
Aroclor-1260 [1]	ND	0.91	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:38	JMB
Aroclor-1262 [1]	ND	0.91	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:38	JMB
Aroclor-1268 [1]	ND	0.91	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:38	JMB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	87.6		30-150					2/20/11 12:38	
Decachlorobiphenyl [2]	112		30-150					2/20/11 12:38	
Tetrachloro-m-xylene [1]	104		30-150					2/20/11 12:38	
Tetrachloro-m-xylene [2]	89.4		30-150					2/20/11 12:38	



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Project Location: Worcester Commons Garage

Sample Description:

Work Order 11B0428

Date Received 2/18/2011

Field Sample #: WCP-066

Sampled 2/18/2011 09:03

Sample ID: 11B0428-10

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.90	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:52	JMB
Aroclor-1221 [1]	ND	0.90	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:52	JMB
Aroclor-1232 [1]	ND	0.90	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:52	JMB
Aroclor-1242 [1]	ND	0.90	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:52	JMB
Aroclor-1248 [1]	5.3	0.90	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:52	JMB
Aroclor-1254 [1]	ND	0.90	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:52	JMB
Aroclor-1260 [1]	ND	0.90	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:52	JMB
Aroclor-1262 [1]	ND	0.90	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:52	JMB
Aroclor-1268 [1]	ND	0.90	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:52	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	84.9	30-150							2/20/11 12:52
Decachlorobiphenyl [2]	71.2	30-150							2/20/11 12:52
Tetrachloro-m-xylene [1]	87.4	30-150							2/20/11 12:52
Tetrachloro-m-xylene [2]	78.5	30-150							2/20/11 12:52



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Project Location: Worcester Commons Garage

Sample Description:

Work Order: 11B0428

Date Received: 2/18/2011

Field Sample #: WCP-067

Sampled: 2/18/2011 09:10

Sample ID: 11B0428-11

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 13:06	JMB
Aroclor-1221 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 13:06	JMB
Aroclor-1232 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 13:06	JMB
Aroclor-1242 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 13:06	JMB
Aroclor-1248 [2]	1.5	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 13:06	JMB
Aroclor-1254 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 13:06	JMB
Aroclor-1260 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 13:06	JMB
Aroclor-1262 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 13:06	JMB
Aroclor-1268 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 13:06	JMB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	97.6		30-150					2/20/11 13:06	
Decachlorobiphenyl [2]	89.3		30-150					2/20/11 13:06	
Tetrachloro-m-xylene [1]	101		30-150					2/20/11 13:06	
Tetrachloro-m-xylene [2]	87.5		30-150					2/20/11 13:06	



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Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
11B0428-01 [WCP-057]	B026279	0.553	10.0	02/18/11
11B0428-02 [WCP-058]	B026279	0.511	10.0	02/18/11
11B0428-03 [WCP-059]	B026279	0.569	10.0	02/18/11
11B0428-04 [WCP-060]	B026279	0.559	10.0	02/18/11
11B0428-05 [WCP-061]	B026279	0.550	10.0	02/18/11
11B0428-06 [WCP-062]	B026279	0.598	10.0	02/18/11
11B0428-07 [WCP-063]	B026279	0.561	10.0	02/18/11
11B0428-08 [WCP-064]	B026279	0.526	10.0	02/18/11
11B0428-09 [WCP-065]	B026279	0.552	10.0	02/18/11
11B0428-10 [WCP-066]	B026279	0.553	10.0	02/18/11
11B0428-11 [WCP-067]	B026279	0.507	10.0	02/18/11

QUALITY CONTROL
Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Limit Notes
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Batch B026279 - SW-846 3540C

Blank (B026279-BLK1)									
Prepared: 02/18/11 Analyzed: 02/19/11									
Aroclor-1016	ND	0.20	mg/Kg						
Aroclor-1016 [2C]	ND	0.20	mg/Kg						
Aroclor-1221	ND	0.20	mg/Kg						
Aroclor-1221 [2C]	ND	0.20	mg/Kg						
Aroclor-1232	ND	0.20	mg/Kg						
Aroclor-1232 [2C]	ND	0.20	mg/Kg						
Aroclor-1242	ND	0.20	mg/Kg						
Aroclor-1242 [2C]	ND	0.20	mg/Kg						
Aroclor-1248	ND	0.20	mg/Kg						
Aroclor-1248 [2C]	ND	0.20	mg/Kg						
Aroclor-1254	ND	0.20	mg/Kg						
Aroclor-1254 [2C]	ND	0.20	mg/Kg						
Aroclor-1260	ND	0.20	mg/Kg						
Aroclor-1260 [2C]	ND	0.20	mg/Kg						
Aroclor-1262	ND	0.20	mg/Kg						
Aroclor-1262 [2C]	ND	0.20	mg/Kg						
Aroclor-1268	ND	0.20	mg/Kg						
Aroclor-1268 [2C]	ND	0.20	mg/Kg						
Surrogate: Decachlorobiphenyl	4.10		mg/Kg	4.00		102		30-150	
Surrogate: Decachlorobiphenyl [2C]	4.22		mg/Kg	4.00		106		30-150	
Surrogate: Tetrachloro-m-xylene	4.25		mg/Kg	4.00		106		30-150	
Surrogate: Tetrachloro-m-xylene [2C]	3.89		mg/Kg	4.00		97.3		30-150	

LCS (B026279-BS1)									
Prepared: 02/18/11 Analyzed: 02/19/11									
Aroclor-1016	1.1	0.20	mg/Kg	1.00		114		40-140	
Aroclor-1016 [2C]	1.1	0.20	mg/Kg	1.00		113		40-140	
Aroclor-1260	1.3	0.20	mg/Kg	1.00		126		40-140	
Aroclor-1260 [2C]	1.2	0.20	mg/Kg	1.00		116		40-140	
Surrogate: Decachlorobiphenyl	4.20		mg/Kg	4.00		105		30-150	
Surrogate: Decachlorobiphenyl [2C]	4.06		mg/Kg	4.00		102		30-150	
Surrogate: Tetrachloro-m-xylene	3.94		mg/Kg	4.00		98.5		30-150	
Surrogate: Tetrachloro-m-xylene [2C]	3.69		mg/Kg	4.00		92.3		30-150	

LCS Dup (B026279-BSD1)									
Prepared: 02/18/11 Analyzed: 02/19/11									
Aroclor-1016	1.3	0.20	mg/Kg	1.00		129		40-140	12.3
Aroclor-1016 [2C]	1.1	0.20	mg/Kg	1.00		114		40-140	1.19
Aroclor-1260	1.2	0.20	mg/Kg	1.00		119		40-140	5.52
Aroclor-1260 [2C]	1.1	0.20	mg/Kg	1.00		115		40-140	1.58
Surrogate: Decachlorobiphenyl	4.10		mg/Kg	4.00		103		30-150	
Surrogate: Decachlorobiphenyl [2C]	4.15		mg/Kg	4.00		104		30-150	
Surrogate: Tetrachloro-m-xylene	4.19		mg/Kg	4.00		105		30-150	
Surrogate: Tetrachloro-m-xylene [2C]	3.84		mg/Kg	4.00		96.0		30-150	



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FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
- † Wide recovery limits established for difficult compound.
- ‡ Wide RPD limits established for difficult compound.
- # Data exceeded client recommended or regulatory level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

- S-01 The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.



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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
No certified Analyses included in this Report	

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2011
CT	Connecticut Department of Public Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2011
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2012
RI	Rhode Island Department of Health	LAQ00112	12/30/2011
NC	North Carolina Div. of Water Quality	652	12/31/2011
NJ	New Jersey DEP	MA007 NELAP	06/30/2011
FL	Florida Department of Health	E871027 NELAP	06/30/2011
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2011
WA	State of Washington Department of Ecology	C2065	02/23/2011



④ Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East longmeadow, MA 0102

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Sample Receipt Checklist

39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

CLIENT NAME: URS Corporation RECEIVED BY: GB DATE: 2/18/11

1) Was the chain(s) of custody relinquished and signed?

Yes No

2) Does the chain agree with the samples?

Yes No

If not, explain: See below

3) Are all the samples in good condition?

Yes No

If not, explain:

4) How were the samples received:

On Ice Direct from Sampling Ambient

In Cooler(s)

Were the samples received in Temperature Compliance of (2-6°C)?

Yes No N/A

Temperature °C by Temp blank

Temperature °C by Temp gun

2.6°C

5) Are there Dissolved samples for the lab to filter?

Yes No

Who was notified _____ Date _____ Time _____

6) Are there any samples "On Hold"?

Yes No

Stored where: _____

7) Are there any RUSH or SHORT HOLDING TIME samples?

Yes No

Who was notified _____ Date _____ Time _____

8) Location where samples are stored:

walk in

Permission to subcontract samples? Yes No

(Walk-in clients only) if not already approved
Client Signature: _____

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	<u>5 / 6</u>
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below		SOC Kit	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Non-ConTest Container	
Flashpoint bottle		Other	
Encore		PM 2.5 / PM 10	
Perchlorate Kit		PUF Cartridge	

Laboratory Comments:

Sample WEP-065 time f 0703 is labeled WEP-066. WEP-065 is listed twice on the chain and Sample WEP-066 time f 0910 is labeled WEP-067. WEP-067 was not included but received.

40 mL vials: # HCl	# Methanol	Time and Date Frozen:
# Bisulfate	# DI Water	
# Thiosulfate	Unpreserved	

Do all samples have the proper Acid pH: Yes No N/A

Do all samples have the proper Base pH: Yes No (N/A)



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March 7, 2011

Ben Grigas
URS - New Hampshire
5 Industrial Way
Salem, NH 03079

Project Location: City Square, Worcester, MA
Client Job Number:
Project Number: 39743438.13
Laboratory Work Order Number: 11C0106

Enclosed are results of analyses for samples received by the laboratory on March 3, 2011. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "James M. Georgantas". The signature is fluid and cursive, with "James" on the first line and "M. Georgantas" on the second line.

James M. Georgantas
Project Manager



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

REPORT DATE: 3/7/2011

URS - New Hampshire
5 Industrial Way
Salem, NH 03079
ATTN: Ben Grigas

PURCHASE ORDER NUMBER: 242134

PROJECT NUMBER: 39743438.13

ANALYTICAL SUMMARY

WORK ORDER NUMBER: IIC0106

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: City Square, Worcester, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WCP-068	IIC0106-01	Caulk		SW-846 8082	
WCP-069	IIC0106-02	Caulk		SW-846 8082	



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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Daren J. Damboragian".

Daren J. Damboragian
Laboratory Manager



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: City Square, Worcester, MA

Sample Description:

Work Order: 11C0106

Date Received: 3/3/2011

Field Sample #: WCP-068

Sampled: 3/3/2011 09:00

Sample ID: 11C0106-01

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Prepared	Date/Time	Analyst
Aroclor-1016 [1]	ND	0.87	mg/Kg	5		SW-846 8082	3/3/11	3/4/11 17:13	JMB
Aroclor-1221 [1]	ND	0.87	mg/Kg	5		SW-846 8082	3/3/11	3/4/11 17:13	JMB
Aroclor-1232 [1]	ND	0.87	mg/Kg	5		SW-846 8082	3/3/11	3/4/11 17:13	JMB
Aroclor-1242 [1]	ND	0.87	mg/Kg	5		SW-846 8082	3/3/11	3/4/11 17:13	JMB
Aroclor-1248 [1]	ND	0.87	mg/Kg	5		SW-846 8082	3/3/11	3/4/11 17:13	JMB
Aroclor-1254 [1]	ND	0.87	mg/Kg	5		SW-846 8082	3/3/11	3/4/11 17:13	JMB
Aroclor-1260 [1]	ND	0.87	mg/Kg	5		SW-846 8082	3/3/11	3/4/11 17:13	JMB
Aroclor-1262 [1]	ND	0.87	mg/Kg	5		SW-846 8082	3/3/11	3/4/11 17:13	JMB
Aroclor-1268 [1]	ND	0.87	mg/Kg	5		SW-846 8082	3/3/11	3/4/11 17:13	JMB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	89.1		30-150					3/4/11 17:13	
Decachlorobiphenyl [2]	79.7		30-150					3/4/11 17:13	
Tetrachloro-m-xylene [1]	92.9		30-150					3/4/11 17:13	
Tetrachloro-m-xylene [2]	95.5		30-150					3/4/11 17:13	



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Project Location: City Square, Worcester, MA

Sample Description:

Work Order: 11C0106

Date Received: 3/3/2011

Field Sample #: WCP-069

Sampled: 3/3/2011 09:15

Sample ID: 11C0106-02

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/3/11	3/5/11 5:53	JMB
Aroclor-1221 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/3/11	3/5/11 5:53	JMB
Aroclor-1232 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/3/11	3/5/11 5:53	JMB
Aroclor-1242 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/3/11	3/5/11 5:53	JMB
Aroclor-1248 [1]	2.9	0.99	mg/Kg	5		SW-846 8082	3/3/11	3/5/11 5:53	JMB
Aroclor-1254 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/3/11	3/5/11 5:53	JMB
Aroclor-1260 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/3/11	3/5/11 5:53	JMB
Aroclor-1262 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/3/11	3/5/11 5:53	JMB
Aroclor-1268 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/3/11	3/5/11 5:53	JMB
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		86.4	30-150					3/5/11 5:53	
Decachlorobiphenyl [2]		82.8	30-150					3/5/11 5:53	
Tetrachloro-m-xylene [1]		99.9	30-150					3/5/11 5:53	
Tetrachloro-m-xylene [2]		97.0	30-150					3/5/11 5:53	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
11C0106-01 [WCP-068]	B026819	0.572	10.0	03/03/11
11C0106-02 [WCP-069]	B026819	0.507	10.0	03/03/11



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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
Batch B026819 - SW-846 3540C										
Blank (B026819-BLK1)										
Prepared: 03/03/11 Analyzed: 03/04/11										
Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	4.34		mg/Kg	4.00		108		30-150		
Surrogate: Decachlorobiphenyl [2C]	3.97		mg/Kg	4.00		99.3		30-150		
Surrogate: Tetrachloro-m-xylene	4.87		mg/Kg	4.00		122		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	4.25		mg/Kg	4.00		106		30-150		
LCS (B026819-BS1)										
Prepared: 03/03/11 Analyzed: 03/04/11										
Aroclor-1016	4.1	0.20	mg/Kg	4.00		102		40-140		
Aroclor-1016 [2C]	3.5	0.20	mg/Kg	4.00		87.3		40-140		
Aroclor-1260	3.6	0.20	mg/Kg	4.00		89.1		40-140		
Aroclor-1260 [2C]	3.4	0.20	mg/Kg	4.00		83.9		40-140		
Surrogate: Decachlorobiphenyl	3.72		mg/Kg	4.00		93.1		30-150		
Surrogate: Decachlorobiphenyl [2C]	3.45		mg/Kg	4.00		86.1		30-150		
Surrogate: Tetrachloro-m-xylene	4.25		mg/Kg	4.00		106		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	3.77		mg/Kg	4.00		94.3		30-150		
LCS Dup (B026819-BSD1)										
Prepared: 03/03/11 Analyzed: 03/04/11										
Aroclor-1016	3.9	0.20	mg/Kg	4.00		98.5		40-140	3.37	30
Aroclor-1016 [2C]	3.4	0.20	mg/Kg	4.00		85.2		40-140	2.46	30
Aroclor-1260	3.6	0.20	mg/Kg	4.00		89.5		40-140	0.450	30
Aroclor-1260 [2C]	3.4	0.20	mg/Kg	4.00		85.3		40-140	1.68	30
Surrogate: Decachlorobiphenyl	3.74		mg/Kg	4.00		93.6		30-150		
Surrogate: Decachlorobiphenyl [2C]	3.52		mg/Kg	4.00		87.9		30-150		
Surrogate: Tetrachloro-m-xylene	4.44		mg/Kg	4.00		111		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	3.92		mg/Kg	4.00		98.1		30-150		



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FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
- † Wide recovery limits established for difficult compound.
- ‡ Wide RPD limits established for difficult compound.
- # Data exceeded client recommended or regulatory level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.



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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
No certified Analyses included in this Report	

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2011
CT	Connecticut Department of Public Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2011
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2012
RI	Rhode Island Department of Health	LAO00112	12/30/2011
NC	North Carolina Div. of Water Quality	652	12/31/2011
NJ	New Jersey DEP	MA007 NELAP	06/30/2011
FL	Florida Department of Health	E871027 NELAP	06/30/2011
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2011
WA	State of Washington Department of Ecology	C2065	02/23/2012



con-test

Fax: 413-525-6405
Email: info@contests.com

CHAIN OF CUSTODY RECORD

33 Spruce Street
East Longmeadow, MA 0102

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f 12

www.contestlabs.com



Sample Receipt Checklist

39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

CLIENT NAME: JRS RECEIVED BY: GAS DATE: 3/3/14

1) Was the chain(s) of custody relinquished and signed? Yes No

2) Does the chain agree with the samples?
If not, explain:

3) Are all the samples in good condition?
If not, explain:

4) How were the samples received:

On Ice Direct from Sampling Ambient In Cooler(s)

Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A

Temperature °C by Temp blank 2.0 Temperature °C by Temp gun _____

5) Are there Dissolved samples for the lab to filter? Yes No

Who was notified _____ Date _____ Time _____

6) Are there any samples "On Hold"? Yes No Stored where: _____

7) Are there any RUSH or SHORT HOLDING TIME samples?

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19 Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	<u>2</u>
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below		SOC Kit	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Non-ConTest Container	
Flashpoint bottle		Other	
Encore		PM 2.5 / PM 10	
Perchlorate Kit		PUF Cartridge	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____ Time and Date Frozen: _____

Bisulfate _____ # DI Water _____

Thiosulfate _____ Unpreserved _____

Do all samples have the proper Acid pH: Yes No N/A

Do all samples have the proper Base pH: Yes No N/A

MADEP MCP Analytical Method Report Certification Form

Laboratory Name:	Con-Test Analytical Laboratory	Project #:	11C0106
Project Location:	City Square, Worcester, MA	RTN:	

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]

11C0106-01 thru 11C0106-02

Matrices:	Caulk
-----------	-------

CAM Protocol (check all that below)

8260 VOC CAM II A ()	7470/7471 Hg CAM IIIB ()	MassDEP VPH CAM IV A ()	8081 Pesticides CAM V B ()	7196 Hex Cr CAM VI B ()	MassDEP APH CAM IX A ()
8270 SVOC CAM II B ()	7010 Metals CAM III C ()	MassDEP EPH CAM IV A ()	8151 Herbicides CAM V C ()	8330 Explosives CAM VIII A ()	TO-15 VOC CAM IX B ()
6010 Metals CAM III A ()	6020 Metals CAM III D ()	8082 PCB CAM V A (X)	9014 Total Cyanide/PAC CAM VI A ()	6860 Perchlorate CAM VIII B ()	

Affirmative response to Questions A through F is required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	<input type="checkbox"/> Yes <input type="checkbox"/> No ¹
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	<input type="checkbox"/> Yes <input type="checkbox"/> No ¹
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Questions A through E)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹

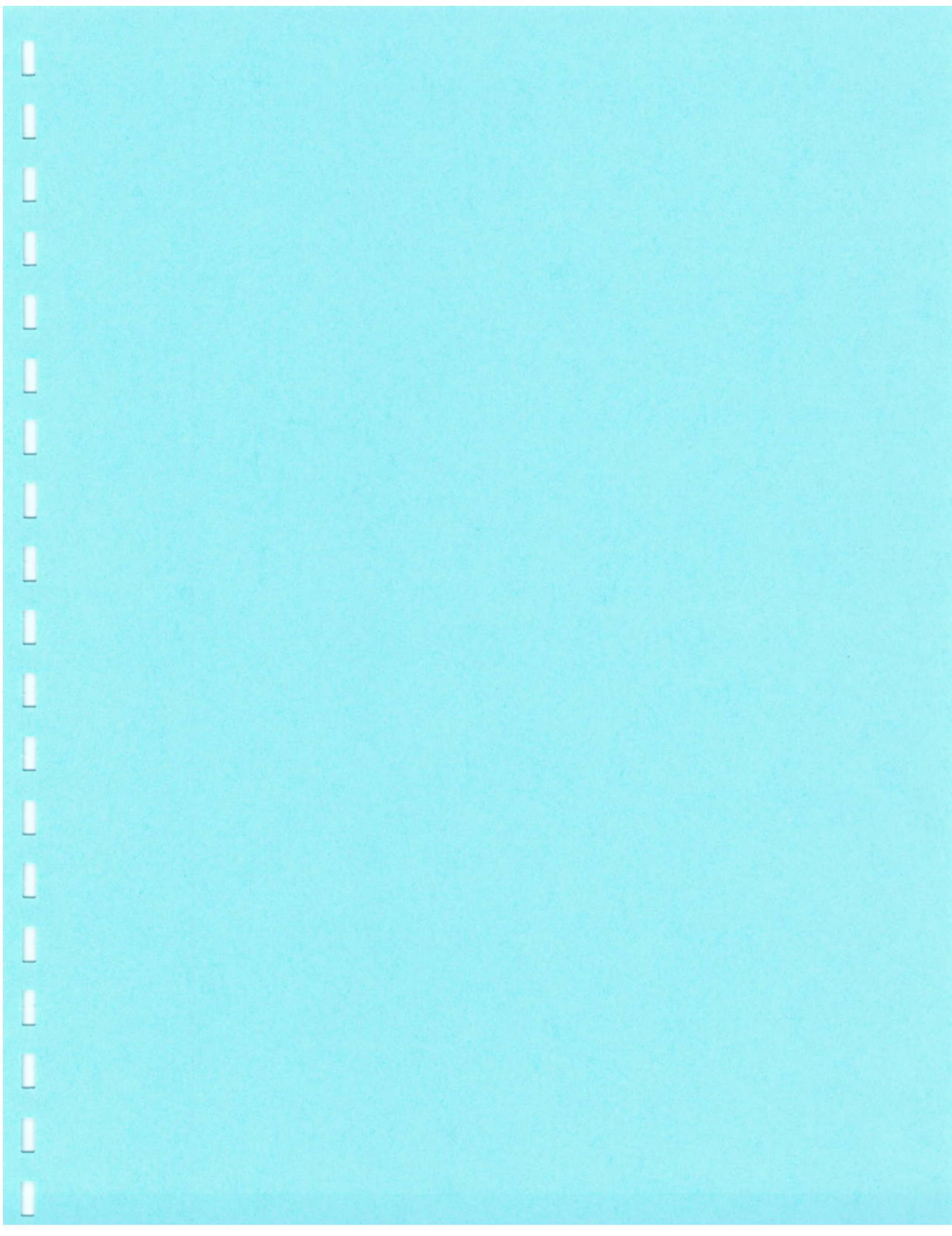
A response to questions G, H and I below is required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹
<u>Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.</u>		
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹

¹All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:		Position:	Laboratory Manager
Printed Name:	Daren J. Damboragian	Date:	03/07/11





39 Spruce Street • East Longmeadow, MA 01028 • FAX 413/525-6405 • TEL. 413/525-2332

March 18, 2011

Ben Grigas
URS - New Hampshire
5 Industrial Way
Salem, NH 03079

Project Location: City Square, Worcester, MA
Client Job Number:
Project Number: 39743438.13
Laboratory Work Order Number: 11C0437

Enclosed are results of analyses for samples received by the laboratory on March 15, 2011. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "James M. Georganas".

James M. Georganas
Project Manager



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

REPORT DATE: 3/18/2011

URS - New Hampshire
5 Industrial Way
Salem, NH 03079
ATTN: Ben Grigas

PURCHASE ORDER NUMBER: 242134

PROJECT NUMBER: 39743438.13

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 11C0437

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: City Square, Worcester, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WCP-070	11C0437-01	Caulk		SW-846 8082	
WCP-071	11C0437-02	Caulk		SW-846 8082	
WCP-072	11C0437-03	Caulk		SW-846 8082	
WCP-073	11C0437-04	Caulk		SW-846 8082	
WCP-073/DUP	11C0437-05	Caulk		SW-846 8082	
WCP-074	11C0437-06	Caulk		SW-846 8082	
WCP-075	11C0437-07	Caulk		SW-846 8082	
WCP-076	11C0437-08	Caulk		SW-846 8082	
WCP-077	11C0437-09	Caulk		SW-846 8082	
WCP-009A	11C0437-10	Caulk		SW-846 1311	
				SW-846 8082	



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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "M. Erickson".

Michael A. Erickson
Laboratory Director



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: City Square, Worcester, MA

Sample Description:

Work Order: 11C0437

Date Received: 3/15/2011

Field Sample #: WCP-070

Sampled: 3/15/2011 10:50

Sample ID: 11C0437-01

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.97	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 14:31	JMB
Aroclor-1221 [1]	ND	0.97	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 14:31	JMB
Aroclor-1232 [1]	ND	0.97	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 14:31	JMB
Aroclor-1242 [1]	ND	0.97	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 14:31	JMB
Aroclor-1248 [1]	ND	0.97	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 14:31	JMB
Aroclor-1254 [1]	1.0	0.97	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 14:31	JMB
Aroclor-1260 [1]	ND	0.97	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 14:31	JMB
Aroclor-1262 [1]	ND	0.97	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 14:31	JMB
Aroclor-1268 [1]	ND	0.97	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 14:31	JMB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	144		30-150					3/17/11 14:31	
Decachlorobiphenyl [2]	107		30-150					3/17/11 14:31	
Tetrachloro-m-xylene [1]	109		30-150					3/17/11 14:31	
Tetrachloro-m-xylene [2]	134		30-150					3/17/11 14:31	



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Project Location: City Square, Worcester, MA

Sample Description:

Work Order: 11C0437

Date Received: 3/15/2011

Field Sample #: WCP-071

Sampled: 3/15/2011 11:15

Sample ID: 11C0437-02

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:09	JMB
Aroclor-1221 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:09	JMB
Aroclor-1232 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:09	JMB
Aroclor-1242 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:09	JMB
Aroclor-1248 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:09	JMB
Aroclor-1254 [1]	4.4	0.99	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:09	JMB
Aroclor-1260 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:09	JMB
Aroclor-1262 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:09	JMB
Aroclor-1268 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:09	JMB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	91.4		30-150					3/17/11 13:09	
Decachlorobiphenyl [2]	94.6		30-150					3/17/11 13:09	
Tetrachloro-m-xylene [1]	103		30-150					3/17/11 13:09	
Tetrachloro-m-xylene [2]	102		30-150					3/17/11 13:09	



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Project Location: City Square, Worcester, MA

Sample Description:

Work Order: 11C0437

Date Received: 3/15/2011

Field Sample #: WCP-072

Sampled: 3/15/2011 11:30

Sample ID: 11C0437-03

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.97	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:24	JMB
Aroclor-1221 [1]	ND	0.97	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:24	JMB
Aroclor-1232 [1]	ND	0.97	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:24	JMB
Aroclor-1242 [1]	ND	0.97	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:24	JMB
Aroclor-1248 [1]	ND	0.97	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:24	JMB
Aroclor-1254 [2]	6.8	0.97	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:24	JMB
Aroclor-1260 [1]	ND	0.97	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:24	JMB
Aroclor-1262 [1]	ND	0.97	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:24	JMB
Aroclor-1268 [1]	ND	0.97	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:24	JMB
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		100	30-150					3/17/11 13:24	
Decachlorobiphenyl [2]		100	30-150					3/17/11 13:24	
Tetrachloro-m-xylene [1]		95.2	30-150					3/17/11 13:24	
Tetrachloro-m-xylene [2]		95.4	30-150					3/17/11 13:24	



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Project Location: City Square, Worcester, MA

Sample Description:

Work Order: 11C0437

Date Received: 3/15/2011

Field Sample #: WCP-073

Sampled: 3/15/2011 11:40

Sample ID: 11C0437-04

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.95	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:38	JMB
Aroclor-1221 [1]	ND	0.95	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:38	JMB
Aroclor-1232 [1]	ND	0.95	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:38	JMB
Aroclor-1242 [1]	ND	0.95	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:38	JMB
Aroclor-1248 [1]	ND	0.95	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:38	JMB
Aroclor-1254 [2]	1.7	0.95	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:38	JMB
Aroclor-1260 [1]	ND	0.95	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:38	JMB
Aroclor-1262 [1]	ND	0.95	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:38	JMB
Aroclor-1268 [1]	ND	0.95	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:38	JMB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	95.5		30-150					3/17/11 13:38	
Decachlorobiphenyl [2]	97.3		30-150					3/17/11 13:38	
Tetrachloro-m-xylene [1]	102		30-150					3/17/11 13:38	
Tetrachloro-m-xylene [2]	103		30-150					3/17/11 13:38	



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Project Location: City Square, Worcester, MA

Sample Description:

Work Order: 11C0437

Date Received: 3/15/2011

Field Sample #: WCP-073/DUP

Sampled: 3/15/2011 11:40

Sample ID: 11C0437-05

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Prepared	Date/Time	Analyst
Aroclor-1016 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:53	JMB
Aroclor-1221 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:53	JMB
Aroclor-1232 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:53	JMB
Aroclor-1242 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:53	JMB
Aroclor-1248 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:53	JMB
Aroclor-1254 [2]	1.7	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:53	JMB
Aroclor-1260 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:53	JMB
Aroclor-1262 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:53	JMB
Aroclor-1268 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:53	JMB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	94.5		30-150					3/17/11 13:53	
Decachlorobiphenyl [2]	95.0		30-150					3/17/11 13:53	
Tetrachloro-m-xylene [1]	99.2		30-150					3/17/11 13:53	
Tetrachloro-m-xylene [2]	101		30-150					3/17/11 13:53	



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Project Location: City Square, Worcester, MA

Sample Description:

Work Order: 11C0437

Date Received: 3/15/2011

Field Sample #: WCP-074

Sampled: 3/15/2011 12:45

Sample ID: 11C0437-06

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:29	JMB
Aroclor-1221 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:29	JMB
Aroclor-1232 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:29	JMB
Aroclor-1242 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:29	JMB
Aroclor-1248 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:29	JMB
Aroclor-1254 [2]	2.5	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:29	JMB
Aroclor-1260 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:29	JMB
Aroclor-1262 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:29	JMB
Aroclor-1268 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:29	JMB
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		105	30-150					3/17/11 13:29	
Decachlorobiphenyl [2]		116	30-150					3/17/11 13:29	
Tetrachloro-m-xylene [1]		129	30-150					3/17/11 13:29	
Tetrachloro-m-xylene [2]		115	30-150					3/17/11 13:29	



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Project Location: City Square, Worcester, MA

Sample Description:

Work Order: 11C0437

Date Received: 3/15/2011

Field Sample #: WCP-075

Sampled: 3/15/2011 13:00

Sample ID: 11C0437-07

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:44	JMB
Aroclor-1221 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:44	JMB
Aroclor-1232 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:44	JMB
Aroclor-1242 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:44	JMB
Aroclor-1248 [1]	1.5	0.99	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:44	JMB
Aroclor-1254 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:44	JMB
Aroclor-1260 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:44	JMB
Aroclor-1262 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:44	JMB
Aroclor-1268 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:44	JMB
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		127	30-150					3/17/11 13:44	
Decachlorobiphenyl [2]		116	30-150					3/17/11 13:44	
Tetrachloro-m-xylene [1]		124	30-150					3/17/11 13:44	
Tetrachloro-m-xylene [2]		101	30-150					3/17/11 13:44	



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Project Location: City Square, Worcester, MA

Sample Description:

Work Order: 11C0437

Date Received: 3/15/2011

Field Sample #: WCP-076

Sampled: 3/15/2011 13:30

Sample ID: 11C0437-08

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 14:00	JMB
Aroclor-1221 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 14:00	JMB
Aroclor-1232 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 14:00	JMB
Aroclor-1242 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 14:00	JMB
Aroclor-1248 [1]	2.1	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 14:00	JMB
Aroclor-1254 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 14:00	JMB
Aroclor-1260 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 14:00	JMB
Aroclor-1262 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 14:00	JMB
Aroclor-1268 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 14:00	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	131	30-150						3/17/11 14:00	
Decachlorobiphenyl [2]	97.4	30-150						3/17/11 14:00	
Tetrachloro-m-xylene [1]	128	30-150						3/17/11 14:00	
Tetrachloro-m-xylene [2]	116	30-150						3/17/11 14:00	



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Project Location: City Square, Worcester, MA

Sample Description:

Work Order: 11C0437

Date Received: 3/15/2011

Field Sample #: WCP-077

Sampled: 3/15/2011 13:50

Sample ID: 11C0437-09

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.95	mg/Kg	5		SW-846 8082	3/17/11	3/18/11 11:35	JB
Aroclor-1221 [1]	ND	0.95	mg/Kg	5		SW-846 8082	3/17/11	3/18/11 11:35	JB
Aroclor-1232 [1]	ND	0.95	mg/Kg	5		SW-846 8082	3/17/11	3/18/11 11:35	JB
Aroclor-1242 [1]	ND	0.95	mg/Kg	5		SW-846 8082	3/17/11	3/18/11 11:35	JB
Aroclor-1248 [2]	4.4	0.95	mg/Kg	5		SW-846 8082	3/17/11	3/18/11 11:35	JB
Aroclor-1254 [1]	ND	0.95	mg/Kg	5		SW-846 8082	3/17/11	3/18/11 11:35	JB
Aroclor-1260 [1]	ND	0.95	mg/Kg	5		SW-846 8082	3/17/11	3/18/11 11:35	JB
Aroclor-1262 [1]	ND	0.95	mg/Kg	5		SW-846 8082	3/17/11	3/18/11 11:35	JB
Aroclor-1268 [1]	ND	0.95	mg/Kg	5		SW-846 8082	3/17/11	3/18/11 11:35	JB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	101		30-150						3/18/11 11:35
Decachlorobiphenyl [2]	95.8		30-150						3/18/11 11:35
Tetrachloro-m-xylene [1]	101		30-150						3/18/11 11:35
Tetrachloro-m-xylene [2]	106		30-150						3/18/11 11:35



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Project Location: City Square, Worcester, MA

Sample Description:

Work Order: 11C0437

Date Received: 3/15/2011

Field Sample #: WCP-009A

Sampled: 3/15/2011 14:15

Sample ID: 11C0437-10

Sample Matrix: Caulk

TCLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.0	µg/L	1		SW-846 8082	3/18/11	3/18/11 13:16	JB
Aroclor-1221 [1]	ND	1.0	µg/L	1		SW-846 8082	3/18/11	3/18/11 13:16	JB
Aroclor-1232 [1]	ND	1.0	µg/L	1		SW-846 8082	3/18/11	3/18/11 13:16	JB
Aroclor-1242 [1]	ND	1.0	µg/L	1		SW-846 8082	3/18/11	3/18/11 13:16	JB
Aroclor-1248 [1]	ND	1.0	µg/L	1		SW-846 8082	3/18/11	3/18/11 13:16	JB
Aroclor-1254 [1]	ND	1.0	µg/L	1		SW-846 8082	3/18/11	3/18/11 13:16	JB
Aroclor-1260 [1]	ND	1.0	µg/L	1		SW-846 8082	3/18/11	3/18/11 13:16	JB
Aroclor-1262 [1]	ND	1.0	µg/L	1		SW-846 8082	3/18/11	3/18/11 13:16	JB
Aroclor-1268 [1]	ND	1.0	µg/L	1		SW-846 8082	3/18/11	3/18/11 13:16	JB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	104		30-150					3/18/11 13:16	
Decachlorobiphenyl [2]	119		30-150					3/18/11 13:16	
Tetrachloro-m-xylene [1]	97.5		30-150					3/18/11 13:16	
Tetrachloro-m-xylene [2]	105		30-150					3/18/11 13:16	



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Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
11C0437-01 [WCP-070]	B027389	0.516	10.0	03/16/11
11C0437-02 [WCP-071]	B027389	0.504	10.0	03/16/11
11C0437-03 [WCP-072]	B027389	0.515	10.0	03/16/11
11C0437-04 [WCP-073]	B027389	0.528	10.0	03/16/11
11C0437-05 [WCP-073/DUP]	B027389	0.559	10.0	03/16/11
11C0437-06 [WCP-074]	B027389	0.560	10.0	03/16/11
11C0437-07 [WCP-075]	B027389	0.505	10.0	03/16/11
11C0437-08 [WCP-076]	B027389	0.563	10.0	03/16/11

Prep Method: SW-846 3540C-SW-846 8082

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
11C0437-09 [WCP-077]	B027469	0.525	10.0	03/17/11

Prep Method: SW-846 1311-SW-846 8082

Leachates were extracted on 3/16/2011 per SW-846 1311 in Batch B027406

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
11C0437-10 [WCP-009A]	B027524	200	10.0	03/18/11



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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch B027389 - SW-846 3540C

Blank (B027389-BLK1)

Prepared: 03/16/11 Analyzed: 03/17/11

Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	3.96		mg/Kg	4.00		99.0		30-150		
Surrogate: Decachlorobiphenyl [2C]	4.32		mg/Kg	4.00		108		30-150		
Surrogate: Tetrachloro-m-xylene	3.63		mg/Kg	4.00		90.8		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	3.66		mg/Kg	4.00		91.5		30-150		

LCS (B027389-BS1)

Prepared: 03/16/11 Analyzed: 03/17/11

Aroclor-1016	4.7	0.20	mg/Kg	4.00		117		40-140		
Aroclor-1016 [2C]	4.4	0.20	mg/Kg	4.00		109		40-140		
Aroclor-1260	4.4	0.20	mg/Kg	4.00		109		40-140		
Aroclor-1260 [2C]	4.1	0.20	mg/Kg	4.00		103		40-140		
Surrogate: Decachlorobiphenyl	4.55		mg/Kg	4.00		114		30-150		
Surrogate: Decachlorobiphenyl [2C]	4.91		mg/Kg	4.00		123		30-150		
Surrogate: Tetrachloro-m-xylene	4.63		mg/Kg	4.00		116		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	4.66		mg/Kg	4.00		116		30-150		

LCS Dup (B027389-BSD1)

Prepared: 03/16/11 Analyzed: 03/17/11

Aroclor-1016	4.7	0.20	mg/Kg	4.00		117		40-140	0.128	30
Aroclor-1016 [2C]	4.3	0.20	mg/Kg	4.00		108		40-140	0.441	30
Aroclor-1260	4.4	0.20	mg/Kg	4.00		110		40-140	0.198	30
Aroclor-1260 [2C]	4.1	0.20	mg/Kg	4.00		104		40-140	0.289	30
Surrogate: Decachlorobiphenyl	4.22		mg/Kg	4.00		106		30-150		
Surrogate: Decachlorobiphenyl [2C]	4.53		mg/Kg	4.00		113		30-150		
Surrogate: Tetrachloro-m-xylene	4.63		mg/Kg	4.00		116		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	4.66		mg/Kg	4.00		116		30-150		



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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch B027469 - SW-846 3540C

Blank (B027469-BLK1)

Prepared: 03/17/11 Analyzed: 03/18/11

Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	4.39		mg/Kg	4.00		110		30-150		
Surrogate: Decachlorobiphenyl [2C]	4.44		mg/Kg	4.00		111		30-150		
Surrogate: Tetrachloro-m-xylene	4.19		mg/Kg	4.00		105		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	4.40		mg/Kg	4.00		110		30-150		

LCS (B027469-BS1)

Prepared: 03/17/11 Analyzed: 03/18/11

Aroclor-1016	4.2	0.20	mg/Kg	4.00		104		40-140		
Aroclor-1016 [2C]	4.1	0.20	mg/Kg	4.00		104		40-140		
Aroclor-1260	4.0	0.20	mg/Kg	4.00		101		40-140		
Aroclor-1260 [2C]	4.0	0.20	mg/Kg	4.00		100		40-140		
Surrogate: Decachlorobiphenyl	4.28		mg/Kg	4.00		107		30-150		
Surrogate: Decachlorobiphenyl [2C]	4.35		mg/Kg	4.00		109		30-150		
Surrogate: Tetrachloro-m-xylene	3.94		mg/Kg	4.00		98.5		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	4.20		mg/Kg	4.00		105		30-150		

LCS Dup (B027469-BSD1)

Prepared: 03/17/11 Analyzed: 03/18/11

Aroclor-1016	4.1	0.20	mg/Kg	4.00		102		40-140	2.21	30
Aroclor-1016 [2C]	4.1	0.20	mg/Kg	4.00		102		40-140	1.97	30
Aroclor-1260	4.0	0.20	mg/Kg	4.00		99.7		40-140	1.05	30
Aroclor-1260 [2C]	3.8	0.20	mg/Kg	4.00		96.2		40-140	4.23	30
Surrogate: Decachlorobiphenyl	4.14		mg/Kg	4.00		103		30-150		
Surrogate: Decachlorobiphenyl [2C]	4.16		mg/Kg	4.00		104		30-150		
Surrogate: Tetrachloro-m-xylene	3.97		mg/Kg	4.00		99.2		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	4.22		mg/Kg	4.00		105		30-150		



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QUALITY CONTROL

TCLP - Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
Batch B027524 - SW-846 1311										
Blank (B027524-BLK1)										
Prepared & Analyzed: 03/18/11										
Aroclor-1016	ND	1.0	µg/L							
Aroclor-1016 [2C]	ND	1.0	µg/L							
Aroclor-1221	ND	1.0	µg/L							
Aroclor-1221 [2C]	ND	1.0	µg/L							
Aroclor-1232	ND	1.0	µg/L							
Aroclor-1232 [2C]	ND	1.0	µg/L							
Aroclor-1242	ND	1.0	µg/L							
Aroclor-1242 [2C]	ND	1.0	µg/L							
Aroclor-1248	ND	1.0	µg/L							
Aroclor-1248 [2C]	ND	1.0	µg/L							
Aroclor-1254	ND	1.0	µg/L							
Aroclor-1254 [2C]	ND	1.0	µg/L							
Aroclor-1260	ND	1.0	µg/L							
Aroclor-1260 [2C]	ND	1.0	µg/L							
Aroclor-1262	ND	1.0	µg/L							
Aroclor-1262 [2C]	ND	1.0	µg/L							
Aroclor-1268	ND	1.0	µg/L							
Aroclor-1268 [2C]	ND	1.0	µg/L							
Surrogate: Decachlorobiphenyl	10.5		µg/L	10.0		105		30-150		
Surrogate: Decachlorobiphenyl [2C]	11.7		µg/L	10.0		117		30-150		
Surrogate: Tetrachloro-m-xylene	10.2		µg/L	10.0		102		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	10.7		µg/L	10.0		107		30-150		
LCS (B027524-BS1)										
Prepared & Analyzed: 03/18/11										
Aroclor-1016	3.2	1.0	µg/L	2.50		127		40-140		
Aroclor-1016 [2C]	2.9	1.0	µg/L	2.50		116		40-140		
Aroclor-1260	3.0	1.0	µg/L	2.50		119		40-140		
Aroclor-1260 [2C]	3.2	1.0	µg/L	2.50		126		40-140		
Surrogate: Decachlorobiphenyl	11.2		µg/L	10.0		112		30-150		
Surrogate: Decachlorobiphenyl [2C]	12.9		µg/L	10.0		129		30-150		
Surrogate: Tetrachloro-m-xylene	10.2		µg/L	10.0		102		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	10.8		µg/L	10.0		108		30-150		
Matrix Spike (B027524-MS1)										
Source: 11C0437-10 Prepared & Analyzed: 03/18/11										
Aroclor-1016	2.4	1.0	µg/L	2.50	ND	95.0		40-140		
Aroclor-1016 [2C]	2.6	1.0	µg/L	2.50	ND	104		40-140		
Aroclor-1260	2.6	1.0	µg/L	2.50	ND	102		40-140		
Aroclor-1260 [2C]	2.4	1.0	µg/L	2.50	ND	96.4		40-140		
Surrogate: Decachlorobiphenyl	10.8		µg/L	10.0		108		30-150		
Surrogate: Decachlorobiphenyl [2C]	12.2		µg/L	10.0		122		30-150		
Surrogate: Tetrachloro-m-xylene	10.1		µg/L	10.0		101		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	11.0		µg/L	10.0		110		30-150		



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
- † Wide recovery limits established for difficult compound.
- ‡ Wide RPD limits established for difficult compound.
- # Data exceeded client recommended or regulatory level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.



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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082 in Water</i>	
Aroclor-1016	CT,NY
Aroclor-1016 [2C]	CT,NY
Aroclor-1221	CT,NY
Aroclor-1221 [2C]	CT,NY
Aroclor-1232	CT,NY
Aroclor-1232 [2C]	CT,NY
Aroclor-1242	CT,NY
Aroclor-1242 [2C]	CT,NY
Aroclor-1248	CT,NY
Aroclor-1248 [2C]	CT,NY
Aroclor-1254	CT,NY
Aroclor-1254 [2C]	CT,NY
Aroclor-1260	CT,NY
Aroclor-1260 [2C]	CT,NY

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2011
CT	Connecticut Department of Public Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2011
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2012
RI	Rhode Island Department of Health	LAO00112	12/30/2011
NC	North Carolina Div. of Water Quality	652	12/31/2011
NJ	New Jersey DEP	MA007 NELAP	06/30/2011
FL	Florida Department of Health	E871027 NELAP	06/30/2011
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2011
WA	State of Washington Department of Ecology	C2065	02/23/2012



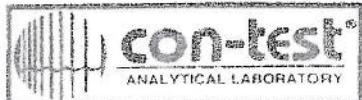
Phone: 413-525-2332

CHAIN OF CUSTODY RECORD

39 Spiluce Street
East Longmeadow, MA 01021

Page _____ of _____

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com



Sample Receipt Checklist

CLIENT NAME: URS

RECEIVED BY: PB

DATE: 3.15.11

1) Was the chain(s) of custody relinquished and signed?

Yes No

2) Does the chain agree with the samples?

Yes No

If not, explain:

3) Are all the samples in good condition?

Yes No

If not, explain:

4) How were the samples received:

On Ice Direct from Sampling Ambient In Cooler(s)

Yes No N/A

Were the samples received in Temperature Compliance of (2-6°C)?

Temperature °C by Temp blank: _____ Temperature °C by Temp gun: 4.0

5) Are there Dissolved samples for the lab to filter?

Yes No

Who was notified _____ Date _____ Time _____

6) Are there any samples "On Hold"?

Yes No

Stored where: _____

7) Are there any RUSH or SHORT HOLDING TIME samples?

Yes No

Who was notified _____ Date _____ Time _____

8) Location where samples are stored:

19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	<u>15</u>
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below		SOC Kit	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Non-ConTest Container	
Flashpoint bottle		Other	
Encore		PM 2.5 / PM 10	
Perchlorate Kit		PUF Cartridge	

Laboratory Comments:

Container cover for WEP-073-Dup is labeled WEP-072 Dup.

CB

40 mL vials: # HCl _____ # Methanol _____
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Do all samples have the proper Acid pH: Yes No N/A

Do all samples have the proper Base pH: Yes No N/A

March 2011

MADEP MCP Analytical Method Report Certification Form

Laboratory Name:	Con-Test Analytical Laboratory	Project #:	11C0437
Project Location:	City Square, Worcester, MA	RTN:	

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]

11C0437-01 thru 11C0437-10

Matrices:	Caulk	Product/Solid
-----------	-------	---------------

CAM Protocol (check all that below)

8260 VOC CAM II A ()	7470/7471 Hg CAM IIIB ()	MassDEP VPH CAM IV A ()	8081 Pesticides CAM VB ()	7196 Hex Cr CAM VI B ()	MassDEP APH CAM IX A ()
8270 SVOC CAM II B ()	7010 Metals CAM III C ()	MassDEP EPH CAM IV A ()	8151 Herbicides CAM VC ()	8330 Explosives CAM VIII A ()	TO-15 VOC CAM IX B ()
6010 Metals CAM III A ()	6020 Metals CAM III D ()	8082 PCB CAM VA (X)	9014 Total Cyanide/PAC CAM VI A ()	6860 Perchlorate CAM VIII B ()	

Affirmative response to Questions A through F is required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ¹
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ¹
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Questions A through E)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹

A response to questions G, H and I below is required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹
<u>Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.</u>		
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹

¹All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:		Position:	Laboratory Director
Printed Name:	Michael A. Erickson	Date:	03/18/11